

## SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Leslie Saak Examiner #: 78812 Date: 10 Feb 03  
 Art Unit: 3762 Phone Number 305-0200 Serial Number: 091462746  
 Mail Box and Bldg/Room Location: \_\_\_\_\_ Results Format Preferred (circle): PAPER DISK E-MAIL

If more than one search is submitted, please prioritize searches in order of need.

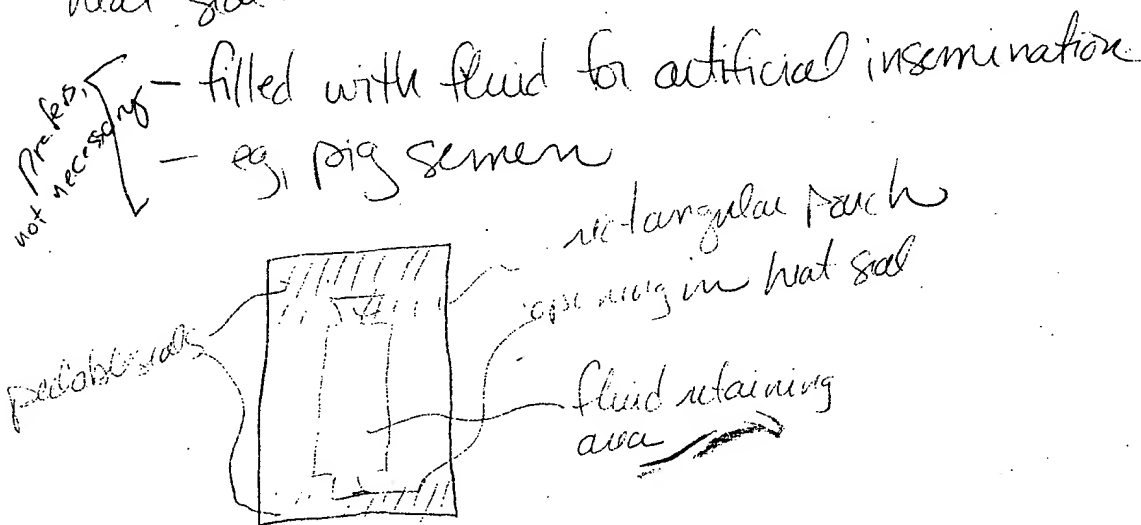
\*\*\*\*\*  
 Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Pouch for Packaging Liquids for artificial insemination  
 Inventors (please provide full names): Sean Girard Saint-Ramon Alain Duval  
Michael Barre

Earliest Priority Filing Date: 20 May 1998

\*For Sequence Searches Only\* Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Flexible pouch with peelable heat seals at top & bottom end with interruptions or gaps in each heat seal.



## STAFF USE ONLY

Searcher: Julie Walko  
 Searcher Phone #: 305-8587  
 Searcher Location: CP2-2008  
 Date Searcher Picked Up: 2/10/03  
 Date Completed: 2/10/03  
 Searcher Prep & Review Time: 50m  
 Clerical Prep Time: \_\_\_\_\_  
 Online Time: 30m

## Type of Search

NA Sequence (#) \_\_\_\_\_  
 AA Sequence (#) \_\_\_\_\_  
 Structure (#) \_\_\_\_\_  
 Bibliographic ☒  
 Litigation \_\_\_\_\_  
 Fulltext ☒  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_

## Vendors and cost where applicable

STN \_\_\_\_\_  
 Dialog ☒  
 Questel/Orbit \_\_\_\_\_  
 Dr.Link \_\_\_\_\_  
 Lexis/Nexis \_\_\_\_\_  
 Sequence Systems \_\_\_\_\_  
 WWW/Internet ☒  
 Other (specify) \_\_\_\_\_

**Leslie Deak**  
**CP2-3B16**

2/10/03


Leslie:

Attached are the results to your request regarding an insemination bag for pigs.

I'm not convinced I found this in the prior art, but I did mark items that looked like they might be useful.

If you'd like this search reworked in any way, please don't hesitate to contact me at 305-8587 or [Julie.walko@uspto.gov](mailto:Julie.walko@uspto.gov).

Sincerely,

  
Julie Walko  
CP2 2C08

*I ran across a  
reference to this during  
the search. -JW*

## USPTO PATENT FULL-TEXT AND IMAGE DATABASE

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( 1 of 1 )

**United States Patent**  
**Cassou**

**5,006,117**  
**April 9, 1991**

Container for biological liquids

### **Abstract**

A container for biological liquids such as a culture medium comprises a hollow body of elastomeric material including a tubular intermediate part, rounded ends and a portion perforable by a cannula for introducing the biological liquid and hermetically resealing itself once the cannula is removed. The interior and exterior surfaces of the hollow body are smooth and curved throughout and the portion perforable by the cannula is thick walled and is preferably provided at one or both ends of the hollow body. The container may comprise two half shells joined together or a blow extruded member. The interior surface is advantageously coated to eliminate asperities.

Inventors: **Cassou; Robert** (L'Aigle, FR)

Assignee: **Instruments Medecine Veterinaire** (L'Aigle, FR)

Appl. No.: 297433

Filed: **January 17, 1989**

**Current U.S. Class:**

**604/403; 600/33; 600/34**

**Intern'l Class:**

**A61B 019/00**

**Field of Search:**

**604/403,408,411,415,416 600/33-35 215/1 C,247,248,250  
220/DIG. 34**

### **References Cited [Referenced By]**

#### **U.S. Patent Documents**

<u>2698619</u>	Jan., 1955	Beacham et al.	604/415.
<u>2704075</u>	Mar., 1955	Cherkin	604/408.
<u>3424218</u>	Jan., 1969	Vanderbur et al.	150/5.
<u>3474789</u>	Oct., 1969	Soto	128/272.
<u>4326574</u>	Apr., 1982	Pallaroni et al.	604/415.
<u>4528220</u>	Jul., 1985	Hwo	428/35.


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Searched the web for **insemination bags swine OR pigs OR pig OR boar OR boars**. Results 1 - 10 of about 89

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### **Artificial Insemination Supplies**

... of high quality AI equipment and supplies to both **swine** breeders and **swine** AI centres ... Breeding clamps and **bags**; **Boar** scent spray; **Insemination** gel; Short ...  
[catsrus.ca/polar/artinsem.htm](http://catsrus.ca/polar/artinsem.htm) - 5k - [Cached](#) - [Similar pages](#)

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**Protective Packaging Corp**  
 Corrosion Moisture Rust Specialists  
 Protective Packaging Experts  
[www.protectivepackaging.net](http://www.protectivepackaging.net)  
 Interest: [Interest](#)

### **CONTINENTAL PLASTIC CORP.**

... S6-5103 25/poly bag, 40 **bags**/case. ... The CONTINENTAL TM **swine** utility belt is a unique way in which to keep all your **insemination** equipment organized close at ...  
[www.continentalplastic.com/cppig.html](http://www.continentalplastic.com/cppig.html) - 21k - [Cached](#) - [Similar pages](#)

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[www.ebay.com](http://www.ebay.com)  
 Interest: [Interest](#)

### **Minitube Artificial Insemination**

... Barcoded labels for semen collection **bags**, tubes, bottles and semen evaluation sample vials can also be printed. The **Boar** Management Program may be interfaced ...  
[www.minitube.com/catalog/porcine/processing/processcontent.html](http://www.minitube.com/catalog/porcine/processing/processcontent.html) - 13k - [Cached](#) - [Similar pages](#)

**Insemination: Infertility**  
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[integrated.com](http://integrated.com)  
 Interest: [Interest](#)

### **[PDF]Artificial Insemination in Swine**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... Do not rush the **insemination**. ... of the dummy should be padded with burlap **bags**, foam rubber ... Commercial dummies can be purchased through many **swine** genetic compa ...  
[www.isuagcenter.com/Communications/pdfs\\_bak/PIGA1.pdf](http://www.isuagcenter.com/Communications/pdfs_bak/PIGA1.pdf) - [Similar pages](#)

**Angus Bulls Registered**  
 Angus Bulls with excellent EPD's  
 Semen available  
<http://www.PedroAngus.com>  
 Interest: [Interest](#)

### **[doc]Some common problems when using artificial insemination of swine**

File Format: Microsoft Word 2000 - [View as HTML](#)

... ie, self-sealing plastic **bags**) that will ... of semen evaluations from commercial **swine** operations in ... undergo from collection through **insemination** is illustrated ...  
[porkinfo.osu.edu/Word%20Documents/AIprobDL.doc](http://porkinfo.osu.edu/Word%20Documents/AIprobDL.doc) - [Similar pages](#)

**Replica Designer Handbags**  
 Replica Vuitton handbags, and more including Replica Oakleys  
[www.replica-oakleys.net](http://www.replica-oakleys.net)  
 Interest: [Interest](#)

[See your message here...](#)

### **[PDF]Artificial Insemination of Swine: Improving Reproductive ...**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... The USA **swine** breeding herd has been reported to ... Bottles (tubes) and **bags** are used for storage in ... appears to be some limitations since **insemination** must occur ...  
[www.gov.mb.ca/agriculture/livestock/pork/swine/pdf/bab13s04.pdf](http://www.gov.mb.ca/agriculture/livestock/pork/swine/pdf/bab13s04.pdf) - [Similar pages](#)

### **[PDF]Semen Processing, Extending & Storage For Artificial Insemination ...**

File Format: PDF/Adobe Acrobat - [View as HTML](#)

... The use of artificial **insemination** (AI) in **swine** is based ... a desired 3 billion sperm/80cc **insemination** dose: 340 x ... semen into 17 bottles, tubes, or **bags** for 3.0 ...

[www.ansci.uiuc.edu/swinerepronet/Ext-Pub/SemenProcessing.pdf](http://www.ansci.uiuc.edu/swinerepronet/Ext-Pub/SemenProcessing.pdf) - [Similar pages](#)

### Glossary of Terms - Rapsheets - Factory Farms - Sierra Club

... AI **bags**: Artificial **insemination bags** which contain semen. The used **bags** are sometimes noted by inspectors as trash ... **Pig**: Generally, any **swine** under 55 pounds ...

[www.sierraclub.org/factoryfarms/rapsheets/glossary.asp](http://www.sierraclub.org/factoryfarms/rapsheets/glossary.asp) - 30k - Feb 8, 2003 - [Cached](#) - [Similar pages](#)

### ITSI - Insemination Technics & Supplies International Inc.: ...

... **Insemination** Aids Connectors, Lubricating agents, Sow Stimulation, Technician Tools ... Semen Extenders **Swine**. Semen Packaging Semen **Bags**, Semen Bottles, Semen Tubes ...

[www.itsi-ai.com/products.html](http://www.itsi-ai.com/products.html) - 15k - Feb 8, 2003 - [Cached](#) - [Similar pages](#)

### Syrvet

... 0.111" (0.281 cm) OD Packed 1.000/poly bag, 10 **bags**/ctn ... **Insemination** Tubes Packed 25/polybag, Tubes are poly-styrene 17 1/2 ... TI025 AI **Pig Insemination** Catheter. ...

[www.syrvet.com/pro\\_insem.html](http://www.syrvet.com/pro_insem.html) - 22k - [Cached](#) - [Similar pages](#)

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\*File 351: New abstract and indexing content available. For details  
see HELP NEWS 351.

Set Items Description

?e pn=de 1915973

Ref	Items	Index-term
E1	1	PN=DE 1915970
E2	1	PN=DE 1915972
E3	1	*PN=DE 1915973
E4	1	PN=DE 1915975
E5	1	PN=DE 1915977
E6	1	PN=DE 1915978
E7	1	PN=DE 1915979
E8	1	PN=DE 1915980
E9	1	PN=DE 1915981
E10	1	PN=DE 1915982
E11	1	PN=DE 1915984
E12	1	PN=DE 1915987

Enter P or PAGE for more

?s e3

S1 1 PN="DE 1915973"

?t /3,ab/all

1/3,AB/1

DIALOG(R)File 351:DERWENT WPI

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000734983

WPI Acc No: 70-72292R/197040

**Two-state refrigerator automatic defrosting - dish**

Patent Assignee: LICENTIA PATENT-VERW GMBH (LICN )

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 1915973	A						197040 B

Priority Applications (No Type Date): DE 1915973 A 19690325

(Abstract (Basic): DE 1915973 A )

A reinforced plastic dish, made under the vacuum process, is  
mounted on top of the compressor housing so that the heat will assist  
in the evaporation of the melt of the condensate.

The plastic may be polyester, suitably reinforced with cellulose,  
polyamide or glass fibres.

?e pn=de 4230065

Ref	Items	Index-term
E1	1	PN=DE 4230063
E2	1	PN=DE 4230064
E3	1	*PN=DE 4230065
E4	1	PN=DE 4230066
E5	1	PN=DE 4230068
E6	1	PN=DE 4230070
E7	1	PN=DE 4230071
E8	1	PN=DE 4230073
E9	1	PN=DE 4230074
E10	1	PN=DE 4230075
E11	1	PN=DE 4230076
E12	1	PN=DE 4230077

Enter P or PAGE for more

?s e3

S2 1 PN="DE 4230065"

?t /3,ab/all

2/3, AB/1  
DIALOG(R) File 351: DERWENT WPI  
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009804628

WPI Acc No: 94-084483/199411

XRPX Acc No: N94-066109

Attaching evacuated mouldings to refrigerators - Has mouldings attached  
to outer or inner shell before these are assembled, with intervening  
space filled with foam

Patent Assignee: DEGUSSA AG (DEGS )

Inventor: REUTER R; SEXTL G; STRACK H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
DE 4230065	A1	19940310	DE 4230065	A	19920909	F25D-023/06	199411 B

Priority Applications (No Type Date): DE 4230065 A 19920909

Language, Pages: DE 4230065 (16)

Abstract (Basic): DE 4230065 A

In a procedure for attaching evacuated mouldings, the mouldings are  
attached to the outer or inner shells before the shells are assembled  
to give the final double-walled unit. Any hollow space remaining is  
filled with foam, either polysterol or polyurethane.

The mouldings are insulating and may be symmetrical or  
non-symmetrical. They are made from silica or silicates, held on with  
glue. The glue is the sort which does not involve chemical reaction and  
may be fusion adhesive. Alternatively, double-sided adhesive tape may  
be used. There may be distance pieces inserted between inner and outer  
shells. The boundary between the mouldings is an aluminium foil.

ADVANTAGE - Heat loss through the sides is reduced.

Dwg.1/11

?e pn=fr 227531

Ref	Items	Index-term
E1	1	PN=FR 2275308
E2	1	PN=FR 2275309
E3	0	*PN=FR 227531
E4	1	PN=FR 2275310
E5	1	PN=FR 2275311
E6	1	PN=FR 2275312
E7	1	PN=FR 2275313
E8	1	PN=FR 2275314
E9	1	PN=FR 2275315
E10	1	PN=FR 2275316
E11	1	PN=FR 2275317
E12	1	PN=FR 2275318

7/5,K/1 (Item 1 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01467225

Bag for packing animal semen and for treatment of the uterus  
Beutel zum Verpacken von tierischem Samen und zur Behandlung vom Uterus  
Sachet de conditionnement de semence animale et de traitement uterin  
PATENT ASSIGNEE:

IMV Technologies, (2867760), 10, rue Georges Clemenceau, 61300 L'Aigle,  
(FR), (Applicant designated States: all)

INVENTOR:

Saint-Ramon, Jean-Gerard, 10 rue Georges Clemenceau, 61300 L'Aigle, (FR)  
Lesieur, Francis, 2, rue de la Corne, 61300 Saint-Michel Thubeuf, (FR)

LEGAL REPRESENTATIVE:

Barbin le Bourhis, Joel (44276), Cabinet Bonnet-Thirion, 12, Avenue de la  
Grande-Armee, B.P.966, 75829 Paris Cedex 17, (FR)

PATENT (CC, No, Kind, Date): EP 1249212 A1 021016 (Basic)

APPLICATION (CC, No, Date): EP 2002290852 020405;

PRIORITY (CC, No, Date): FR 014973 010411

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61D-019/02

ABSTRACT EP 1249212 A1 (Translated)

**Sachet** for animal **semen** and treatment of uterus has outlet duct  
with sections of two different diameters with smaller one nearest **sachet**  
cavity

The **sachet** (11) is made from two layers of a **thermoplastic** material  
joined by welded seams to form a **pouch** (12) with two long and two short  
sides. One of the short sides has an inlet (14) for filling, and the  
other an outlet duct (16) to receive a telescopic **insemination** tube (3)  
with a spherical tip (7) and a foam plug (6). The outlet duct has  
sections with two different diameters (D1, D2), with the smaller one  
nearest the **sachet** cavity, and the **sachet** has a peel-open zone (18)  
adjacent to the outlet duct, sealed e.g. with wax.

TRANSLATED ABSTRACT WORD COUNT: 122

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021016 A1 Published application with search report  
LANGUAGE (Publication,Procedural,Application): French; French; French

7/5,K/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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01323293

ARTIFICIAL INSEMINATION DEVICE FOR PIGS  
VORRICHTUNG ZUR KUNSTLICHEN BEFRUCHTUNG VON SCHWEINEN  
DISPOSITIF D' INSEMINATION ARTIFICIELLE POUR BETAIL PORCIN  
PATENT ASSIGNEE:

Iberica de Reproduccion Asistida, S.L., (3380010), Serradet Sant Antoni,  
08513 Prats de Lluçanet, (ES), (Applicant designated States: all)



INVENTOR:

GIL PASCUAL, Javier, Serradet Sant Antoni, E-08513 Prats De Llucanes,  
(ES)

LEGAL REPRESENTATIVE:

Carpintero Lopez, Francisco (54271), HERRERO & ASOCIADOS, S.L. Alcala, 35  
, 28014 Madrid, (ES)

PATENT (CC, No, Kind, Date): EP 1250897 A1 021023 (Basic)  
WO 2001049205 010712

APPLICATION (CC, No, Date): EP 2000988821 001229; WO 2000ES499 001229

PRIORITY (CC, No, Date): ES 204 000103; ES 202360 000929

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61D-019/02

ABSTRACT EP 1250897 A1

The device is equipped with the classical catheter (1) finishing in its front end in a tip (2) for attachment to the neck of the uterus, which is prolonged by a cannula (3) of smaller diameter. The device has said cannula (3) closed by means of an elongated lid (4'), with a rounded face, with a perimeter depression and concave curve (8) at the middle level, where orifices are established (5') as an outlet for the **semen**, specifically two orifices in diametric opposition, whose positioning is such that they are level with the uterine horns of the pig to be **inseminated**, by the introduction of the catheter (1), which is defined by a mark (11) in the cannula (3) or in a connector (12), which optimises the conditions of **insemination** allowing a lower **semen** consumption. In addition, the rear end of the lid (4') has a diameter after the cannula (3), to protect the edge of the free end from the latter, avoiding damage to the mucus of the female to be **inseminated**. In order to facilitate the process of application and to avoid contamination of the distal part of the cannula, this is presented divided into two portions that can be coupled together, the furthest away being introduced and therefore protected within the catheter (1).

ABSTRACT WORD COUNT: 217

NOTE:

Figure number on first page: 3

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 010905 A1 International application. (Art. 158(1))

Application: 010905 A1 International application entering European  
phase

Application: 021023 A1 Published application with search report

Examination: 021023 A1 Date of request for examination: 20020726

LANGUAGE (Publication,Procedural,Application): English; English; Spanish

DESCRIPTION OF THE INVENTION

The artificial **insemination** device that is put forward is characterised in that inside the catheter a cannula is placed axially through which it is possible to achieve a post-cervical **insemination**, by lengthening the length of the **insemination** conduct beyond the uterine neck, depositing the **semen** in the uterine horns.

The new artificial **insemination** device consists of a standard catheter consisting of a tube or rod of flexible material....

...established two side orifices (5'), diametrically opposed to one another, that allow outflow of the **semen**, this lid (4') being prolonged into a

subsequent neck (9) for insertion of the end...

7/5,K/5 (Item 5 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00893997

**Package for biological liquids having peelable film for introducing a tube**  
PATENT ASSIGNEE:

IMV Technologies, (2867760), 10, rue Georges Clemenceau, 61300 L'Aigle,  
(FR), (Proprietor designated states: all)

INVENTOR:

Saint-Ramon, Jean-Gerard, 13 rue Le Laboureur, 95160 Montmorency, (FR)  
Dassier, Claude, 9 rue du General de Gaulle, 28190 Fontaine La Guyon,  
(FR)

Beau, Christian, 9 rue Dufy, 78960 Voisins-Le-Bretonneux, (FR)  
Lesieur, Francis, 27 rue Croix Saint-Jacques, 61300 L'Aigle, (FR)

LEGAL REPRESENTATIVE:

CABINET BONNET-THIRION (100331), 12, Avenue de la Grande-Armee, 75017  
Paris, (FR)

PATENT (CC, No, Kind, Date): EP 816252 A1 980107 (Basic)  
EP 816252 B1 010711

APPLICATION (CC, No, Date): EP 97401488 970626;

PRIORITY (CC, No, Date): FR 968095 960628

DESIGNATED STATES: AT; BE; DE; DK; ES; GB; IE; IT; NL

INTERNATIONAL PATENT CLASS: **B65D-075/58**

CITED PATENTS (EP B): DE 2647399 A; FR 2667504 A; GB 642351 A; US 2648463 A  
; US 2998880 A

ABSTRACT EP 816252 A1 (Translated)

**Sachet** for biological liquids

The **sachet** (1) for packaging biological liquids is made of two sheets of **thermoplastic** material which are welded by a welding cord (2) delimiting a pocket (3). The upper part of the pocket is extended by a filling conduit (4) which has a widened cone (5). Holes (6) are made near the two longitudinal edges which serve to place the **sachet** on a packaging machine. Welding zones (7,8) hold the two sheets against each other and avoid their separation in the packaging machine.

One of the two sheets has, in its upper part, a wax peeling zone (9). After filling, the **sachet** is sealed in a sealing zone (10) inside the peel off zone near to the upper part of the conduit.

TRANSLATED ABSTRACT WORD COUNT: 126

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000517 A1 Date of dispatch of the first examination  
report: 20000404

Application: 980107 A1 Published application (A1with Search Report  
;A2without Search Report)

Oppn: 010905 B1 Opposition 01/20010711 Opposition filed  
Jorgen Kruuse A/S (135160) Marslev Byvej 35  
5290 Marslev DK  
(Representative:) Sundien, Thomas et al (90882)

Hofman-Bang Zacco A/S, Hans Bekkevolds Alle 7  
2900 Hellerup (DK)

Change: 010103 A1 Title of invention (French) changed: 20001116  
Change: 010103 A1 Title of invention (English) changed: 20001116  
Change: 010103 A1 Title of invention (German) changed: 20001116  
Assignee: 000607 A1 Transfer of rights to new applicant: IMV  
Technologies (2867760) 10, rue Georges  
Clemenceau 61300 L'Aigle FR

Grant: 010711 B1 Granted patent  
Examination: 980506 A1 Date of filing of request for examination:  
980306

Change: 980916 A1 Designated Contracting States (change)  
Change: 991027 A1 Designated contracting states changed 19990903

LANGUAGE (Publication,Procedural,Application): French; French; French

...CLAIMS B1

1. A **bag** for packaging liquid biological substance formed by two sheets of **thermoplastic** material which are welded by a weld bead delimiting a **pouch** to which there is connected at an end portion a conduit in the form of...

...recovered or emptied out and capable of ensuring sealing integrity upon the introduction of an **insemination** probe, characterised in that at least one of the two said sheets of **thermoplastic** material has in said end portion a peelability zone comprising a sealing and peelability material forming part of said sheet without additional support.

2. A **bag** according to claim 1 characterised in that said sealing and peelability material is a wax.
3. A **bag** according to one of claims 1 and 2 characterised in that said filling conduit is extended by a flared portion.
4. A **bag** according to any one of claims 1 to 3 characterised in that the two said sheets of **thermoplastic** material have a displacement with respect to each in said upper portion.
5. A **bag** according to claim 4 characterised in that said displacement is about 2 to 3 mm.
6. A **bag** according to any one of claims 1 to 5 containing a liquid characterised in that...

...upper portion of said conduit, substantially transversely with respect to the axis thereof.

7. A **bag** according to claim 6 characterised in that said sealing zone is in the shape of a triangle in cross-section.
8. A **bag** according to claim 6 characterised in that said sealing zone is in the shape of an inverted V in cross-section.
9. A **bag** according to any one of claims 6 to 8 characterised in that said liquid substance is a liquid substance which can be used for artificial **insemination** procedures.
10. A **bag** according to claim 9 characterised in that said liquid substance which can be used for artificial **insemination** procedures is selected from animal **semen** , media and diluents.

7/5,K/7 (Item 7 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00766648

**Packaging machine for ready-to-use doses of animal semen and filled package obtained from this machine**

**PATENT ASSIGNEE:**

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PATENT (CC, No, Kind, Date): EP 718191 A1 960626 (Basic)  
EP 718191 B1 970709

APPLICATION (CC, No, Date): EP 95402902 951221;

PRIORITY (CC, No, Date): FR 9415621 941223

DESIGNATED STATES: DE; DK; ES; GB; IT; NL; SE

INTERNATIONAL PATENT CLASS: B65B-003/00 ; A61D-019/02 ; B65B-003/04

**ABSTRACT EP 718191 A1 (Translated)**

Packaging machine for doses of ready-to-use animal **semen**

The machine fills plastics packages (1) through a duct in the neck of each having an adjacent divergent section (5), using a hollow filling needle (21) linked to a reservoir of the **semen**. The needle ends in a sliding nozzle (22) equipped with a ring (29) which cleans any residue from the nozzle's outer surface as it is retracted so that the package is not contaminated prior to welding. The ring is made eg. from Delrin (RTM).

Once the filling nozzle has been withdrawn from the package its open end is sealed by an inverted U-shaped weld over the divergent section (5) of the neck. After filling and welding, the packages are separated from one another to provide the separate doses.

TRANSLATED ABSTRACT WORD COUNT: 129

**ABSTRACT EP 718191 A1**

Packaging machine for doses of ready-to-use animal **semen**

The machine fills plastics packages (1) through a duct in the neck of each having an adjacent divergent section (5), using a hollow filling needle (21) linked to a reservoir of the **semen**. The needle ends in a sliding nozzle (22) equipped with a ring (29) which cleans any residue from the nozzle's outer surface as it is retracted so that the package is not contaminated prior to welding. The ring is made eg. from Delrin (RTM).

Once the filling nozzle has been withdrawn from the package its open end is sealed by an inverted U-shaped weld over the divergent section (5) of the neck. After filling and welding, the packages are separated from one another to provide the separate doses.

ABSTRACT WORD COUNT: 131

**LEGAL STATUS (Type, Pub Date, Kind, Text):**

Application: 960626 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 960925 A1 Date of filing of request for examination:  
960729

Examination: 961120 A1 Date of despatch of first examination report:

961008

Change: 970507 A1 Representative (change)  
Grant: 970709 B1 Granted patent  
Oppn None: 980701 B1 No opposition filed  
LANGUAGE (Publication,Procedural,Application): French; French; French

CLAIMS 1. A machine for the production of ready-to-use doses of animal **semen** , supplied with empty **sachets** each comprising a filling conduit (4) which is prolonged upwardly by an enlargement (5), the...

...a way that in the return upward movement of the nozzle after filling of the **sachet** after the free end thereof has reached that of the ring no residue of **semen** remains externally to the nozzle to taint the following **sachet** prior to welding, and that it comprises welding members in the form of an inverted...

...base (16) which can be modified in respect of inclination.

6. A dose of animal **semen** produced by the machine according to one of claims 1 to 5 of the type in which the **semen** is contained in a **sachet** formed by two sheets (1) of **thermoplastic** material which are welded by a weld line (2) defining a pocket (3), to which...

...connected a filling conduit (4) which is prolonged by an enlargement (5), the dose of **semen** being characterised in that it comprises a sealing weld line (6) in the shape of...

...dry at least between said arms of the inverted U.

7. A dose of animal **semen** according to claim 6 characterised in that the prolongation of the cut (8) intersects the...

...of the part of greatest width of the enlargement (5).

8. A dose of animal **semen** according to claim 6 characterised in that the ends of the cut (8) are at...

...the edge of the dose and the sealing weld (6).

9. A dose of animal **semen** according to claim 6 characterised in that the sheets (1) of **thermoplastic** material are of different thicknesses.

7/5,K/9 (Item 9 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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00622082

Insemination probe

Besamungssonde

Sonde d' insemination

PATENT ASSIGNEE:

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 605406 A2 940706 (Basic)  
EP 605406 A3 950125  
EP 605406 B1 990127  
APPLICATION (CC, No, Date): EP 94400571 911002;  
PRIORITY (CC, No, Date): FR 9012427 901009  
DESIGNATED STATES: BE; DE; DK; ES; FR; GB; IT; NL; SE  
RELATED PARENT NUMBER(S) - PN (AN):  
EP 480798 (EP 914026273)  
INTERNATIONAL PATENT CLASS: A61D-019/02

ABSTRACT EP 605406 A2 (Translated)

The invention relates to an **insemination** probe which can be fitted to a flexible **thermoplastic** dosage **bag** for artificial animal **insemination**.

The **bag** consists solely of two flexible **thermoplastic** sheets fixed to each other by a weld bead along a closed trace of rectangular general shape when the **bag** is empty. One of the short sides of this rectangle is interrupted, and the weld bead defines, starting from the interruption in this short side, a filling duct extended by a centring cone for one end of a tube (24) of the probe. According to the invention, this probe consists of the tube (24) which is semi-rigid and, carried by its opposite end, a plug (25) which is moulded over from flexible foam and has an axisymmetric shape and is provided with a duct in which this opposite end of the tube is accommodated and includes a constricted region (26) in its part which lies beyond the tube.

TRANSLATED ABSTRACT WORD COUNT: 160

LEGAL STATUS (Type, Pub Date, Kind, Text):

Oppn None: 20000119 B1 No opposition filed: 19991028  
Application: 940706 A2 Published application (Alwith Search Report  
;A2without Search Report)  
Search Report: 950125 A3 Separate publication of the European or  
International search report  
Examination: 950419 A2 Date of filing of request for examination:  
950214  
Change: 960605 A2 Representative (change)  
Examination: 960710 A2 Date of despatch of first examination report:  
960523  
Change: 970604 A2 Representative (change)  
\*Assignee: 970604 A2 Applicant (transfer of rights) (change): IMV  
S.A. (2281410) 10, rue Clemenceau 61300 L'Aigle  
(FR) (applicant designated states:  
BE;DE;DK;ES;FR;GB;IT;NL;SE)  
Change: 970604 A2 Inventor (change)  
\*Assignee: 970604 A2 Previous applicant in case of transfer of  
rights (change): Cassou, Robert (421190) Rue  
Clemenceau F-61300 L'Aigle (FR) (applicant  
designated states: BE;DE;DK;ES;FR;GB;IT;NL;SE)  
Grant: 990127 B1 Granted patent  
LANGUAGE (Publication,Procedural,Application): French; French; French

CLAIMS 1. An **insemination** probe for artificial animal **insemination**,  
formed by a tube (24) of semi-rigid **thermoplastic** material carrying  
at one of its ends a pad (25) of flexible foam of a...

7/5,K/11 (Item 11 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

00536352

**Package containing solid thermoplastic material.**

**Packung, enthaltend festen thermoplastischen Stoff.**

**Receptacle contenant des matériaux solides thermoplastiques.**

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PATENT (CC, No, Kind, Date): EP 496626 A1 920729 (Basic)

APPLICATION (CC, No, Date): EP 92300599 920123;

PRIORITY (CC, No, Date): US 646157 910125

DESIGNATED STATES: DE; FR; GB; IT

INTERNATIONAL PATENT CLASS: B65D-065/42 ; B65B-063/08

CITED PATENTS (EP A): US 3031106 A; US 2690255 A; EP 330390 A; US 2666523 A  
; US 4528799 A; US 2708544 A

ABSTRACT EP 496626 A1

A **container** of solid **thermoplastic** material in which the  
**thermoplastic** material is separated from the **container** by a layer of  
an adherent material. A method of filling the **container** with the  
**thermoplastic** material and a method of removing the **thermoplastic**  
material from the **container** is also disclosed.

ABSTRACT WORD COUNT: 49

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 920729 A1 Published application (A1with Search Report  
;A2without Search Report)

Examination: 930317 A1 Date of filing of request for examination:  
930120

Examination: 940316 A1 Date of despatch of first examination report:  
940128

Change: 940831 A1 Representative (change)

Refusal: 950830 A1 Date on which the European patent application  
was refused: 950410

LANGUAGE (Publication,Procedural,Application): English; English; English

...SPECIFICATION A1

Technical Field

This application relates to a package of a **thermoplastic** (i.e., hot-  
melt) material such as an adhesive, coating or sealant.

Background Art

**Thermoplastic** materials, sometimes referred to herein as hot melt  
materials, must be heated to a temperature...

...The heated platen includes an "O" ring which closely contacts the inside wall of the **container** in order to prevent leakage of molten material as the platen is pressed downwardly into the **container**. To insure a close fit and to prevent damage to the expensive "O" ring seal, care must be taken to position the **container** properly.

A number of approaches have been utilized in order to achieve proper positioning of...

...necessary to employ either a pail extender or a specially designed unloader to remove the **thermoplastic** material.

In the former case, the extender is clamped on to the **container** to provide a ring-shaped extension to its top. One example of this type of

...

#### Detailed Description

The **container** used in the present invention comprises a body portion which is closed at one end and open at the other end. The body portion and closed end of the **container** define a cavity for receiving the **thermoplastic** material. The open end is employed for filling the **container** after which it may be closed or sealed with a suitable cover. The **container** may have a variety of geometric shapes. However, the body portion is generally cylindrical. Preferably...

...crimped end, it preferably comprises a flat, circular portion between the side walls of the **container**.

The present invention is of particular use in packaging **thermoplastic** materials in five-gallon or larger **containers**, although it may also be employed with smaller **containers**.

7/5,K/12 (Item 12 from file: 348)

DIALOG(R) File 348:EUROPEAN PATENTS

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00493838

**Band of dose- bags for animal semen intended for artificial insemination, conditioning machine for this bag.**

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Cassou, Maurice, (421180), 10, rue Georges Clemenceau, F-61300 L'Aigle, (FR), (applicant designated states: BE;DE;DK;ES;FR;GB;IT;NL;SE)

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#### INVENTOR:

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PATENT (CC, No, Kind, Date): EP 480798 A1 920415 (Basic)

EP 480798 B1 950125

APPLICATION (CC, No, Date): EP 91402627 911002;

PRIORITY (CC, No, Date): FR 9012427 901009

DESIGNATED STATES: BE; DE; DK; ES; FR; GB; IT; NL; SE



INTERNATIONAL PATENT CLASS: A61D-019/00 ; A61J-001/10  
CITED PATENTS (EP A): EP 96191 A; FR 2627128 A; EP 148473 A; FR 2524303 A;  
EP 189702 A; DE 3820387 A; DE 2701998 A

ABSTRACT EP 480798 A1 (Translated).

The invention relates to a dose- **bag** made of flexible **thermoplastic** material for artificial **insemination** in animals, a packaging machine for the said **bags** , and an **insemination** probe adaptable to such **bags**

The **bag** (1) consists simply of two sheets of flexible **thermoplastic** material which are fixed to one another by a weld seam following a closed layout of general rectangular shape when the **bag** is empty, and of which one of the small sides is interrupted, the weld seam defining, starting from the break on this small side, a filling conduit which is continued via a centring cone. The machine comprises a distribution drum (7) equipped with drive cogs (10) for the empty **bags** , a recovery drum (8) equipped with cutting members (12) for the filled **bags** , and, between the drums, a device (15) for filling the **bags** and a welding device (22) for sealing them.

TRANSLATED ABSTRACT WORD COUNT: 142

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 920415 A1 Published application (A1with Search Report  
;A2without Search Report)  
Examination: 920624 A1 Date of filing of request for examination:  
920417  
Examination: 930908 A1 Date of despatch of first examination report:  
930722  
Grant: 950125 B1 Granted patent  
Oppn None: 960117 B1 No opposition filed

LANGUAGE (Publication,Procedural,Application): French; French; French

...CLAIMS B1

1. Strip of interconnected dose **bags** of flexible **thermoplastic** material which are intended for animal artificial **insemination** and which are arranged consecutively in the longitudinal direction of the strip, said strip being formed solely from two sheets of flexible **thermoplastic** material fastened to one another by means of welds (2), each defining a **bag** along an almost closed contour, one of the short sides of which contains an opening...

...a feed channel (3) extended by a centring cone (4), the two sheets of flexible **thermoplastic** material being pierced on the outside of each contour formed by the weld (2) by holes (5) for drive means, and the **bags** are partially separated by a single perforation (6) extending along part of the width of the strip to allow deformation movements of the **bags** , particularly during filling, without there being any appreciable change in the centre to centre distances between holes (5) longitudinally in relation to the strip.

2. Machine for processing dose **bags** of flexible **thermoplastic** material intended for animal artificial **insemination** , comprising a filling device (13..21) for the **bags** and a welding device (22) for sealing the **bags** after they are filled, characterised in that it is provided with a drum holding a rolled strip of empty **bags** , a supply roller (7) to receive this strip which is located on the supply roller...

- ...means of drive pins (10), and a take-up roller (8) to receive the filled **bags** which is also equipped with drive pins (10) as well as perforating means (12) to separate the filled **bags**, and in that the filling device (13..21) and the welding device (22) are disposed...
- ...rollers (7, 8) and which has two widths corresponding respectively to the thickness of the **bag** when full and the thickness of the strip forming the **bag** with sufficient clearance to allow for displacement of the strip, the two guide elements each defining a cavity adapted to receive a filling tube (14) for the **bag** (1).
3. Machine according to Claim 2, characterised in that the filling device comprises two...

7/5,K/13 (Item 13 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
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00322232

**Storing tube for small quantites of substances, especially biological ones, and its use in a fertilisation process.**

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LEGAL REPRESENTATIVE:

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PATENT (CC, No, Kind, Date): EP 304358 A1 890222 (Basic)  
EP 304358 B1 920304

APPLICATION (CC, No, Date): EP 88401903 880722;

PRIORITY (CC, No, Date): FR 8715741 871113; FR 8710359 870722

DESIGNATED STATES: DE; ES; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: **A61D-019/02**

CITED PATENTS (EP A): DE 2194453 A; GB 2033230 A; DE 2506108 A; EP 148473 A  
; CH 533542 A; FR 1224918 A; FR 995878 A

ABSTRACT EP 304358 A1 (Translated)

A tube of this type consists of a segment (8) of a tube (1) whose two ends (2, 3) define, respectively, a first terminal zone and a second terminal zone: the first terminal zone is equipped with a corresponding stopper means, called the first stopper means, and the second terminal zone is likewise equipped with a corresponding stopper means, called the second stopper means, consisting of a so-called ACE stopper (9) made of a compact elastomer adhering to the inner wall of the tube (1) and sealing the latter in a leakproof manner even after several punctures with a removable hollow needle.

When a tube of this type does not comprise a stopper becoming leakproof

upon contact with an aqueous liquid but, in contrast, the first stopper means consists also of an adhesive compact elastomer stopper, this tube can be used in a biomimetic fertilisation procedure.  
TRANSLATED ABSTRACT WORD COUNT: 149

LEGAL STATUS (Type, Pub Date, Kind, Text):

Lapse: 020612 B1 Date of lapse of European Patent in a contracting state (Country, date): ES 19920304, GB 19920304, IT 19920304, NL 19920304,  
Application: 890222 A1 Published application (A1with Search Report ;A2without Search Report)  
\*Search Report: 890712 A1 Documents discovered after completion of the European search report: 890518  
Examination: 890719 A1 Date of filing of request for examination: 890519  
Examination: 901219 A1 Date of despatch of first examination report: 901106  
Grant: 920304 B1 Granted patent  
Lapse: 921125 B1 Date of lapse of the European patent in a Contracting State: NL 920304  
Oppn None: 930224 B1 No opposition filed  
Lapse: 930407 B1 Date of lapse of the European patent in a Contracting State: GB 920304, NL 920304  
Lapse: 991020 B1 Date of lapse of European Patent in a contracting state (Country, date): GB 19920304, IT 19920304, NL 19920304,

LANGUAGE (Publication,Procedural,Application): French; French; French

7/5,K/15 (Item 15 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00911434

**PACKAGING PRODUCT, PROCESS FOR MAKING SAME, AND PRODUCT MADE THEREFROM  
PRODUIT D'EMBALLAGE, PROCEDE DE PRODUCTION ET PRODUIT FABRIQUE  
CORRESPONDANTS**

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200243957 A2-A3 20020606 (WO 0243957)  
Application: WO 2001US46243 20011126 (PCT/WO US0146243)  
Priority Application: US 2000724432 20001128; US 2001992271 20011116  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR

KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B32B-027/32

International Patent Class: B65D-065/40 ; A23B-004/00; A23B-004/10

Publication Language: English

Filing Language: English

#### English Abstract

A packaged product has a food product having an added liquid thereon, and a packaging article at least partially surrounding the food product. The packaging article having a seal layer comprising a member selected from the group consisting of a slip agent and a surfactant. The slip agent or surfactant causes contamination from the added liquid to bead up or wet out, respectively, thereby permitting **heat** sealing through the contamination with a lower leaker rate than would otherwise be the case.

#### Legal Status (Type, Date, Text)

Publication 20020606 A2 Without international search report and to be republished upon receipt of that report.  
Correction 20020906 Corrections of entry in Section 1: under (30) replace "Not furnished" by "09/992,271"  
Republication 20020906 A2 Without international search report and to be republished upon receipt of that report.  
Correction 20020906 Corrections of entry in Section 1:  
Search Rpt 20030123 Late publication of international search report  
Republication 20030123 A3 With international search report.

#### Detailed Description

...one embodiment, the polymer in the seal layer is selected from the group consisting of **thermoplastic** polyolefins, polyamides, polyesters, polyvinyl chlorides, and ionomers. Preferred polymers for the sealant layer include homogeneous...wax, paraffin wax)

- b. vegetable wax (e.g., carnuba wax)
- c. animal wax (e.g., **spermaceti** wax)
- d. cellulose derivatives (e.g., cellulose acetate)
- e. polysaccharides (e.g., sodium alginate)

3...comprising a film of the type described above. The film is preferably formed as a **bag**, a **pouch**, or a casing made from a flexible packaging film, i.e., a fihn tubing. In particular, the film can be formed as end-seal **bags** or side-seal **bags**. Further, the casing can be a seamless casing or a backseamed casing, the latter being...

7/5,K/19 (Item 19 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00868361 \*\*Image available\*\*

CONTAINER FOR SEMEN AND OTHER BIOLOGICAL LIQUIDS

RECIPIENT DE RECUEIL DE SPERME ET AUTRES LIQUIDES BIOLOGIQUES

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Legal Representative:

WAGNER Alan E (agent), Whyte Hirschboeck Dudek, S.C., 111 E. Wisconsin  
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Patent and Priority Information (Country, Number, Date):

Patent: WO 200202029 A1 20020110 (WO 0202029)

Application: WO 2001US20337 20010627 (PCT/WO US0120337)

Priority Application: US 2000606831 20000629

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD  
SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: A61D-019/02

International Patent Class: A61J-001/05

Publication Language: English

Filing Language: English

English Abstract

A **container** for biological fluids useful in artificial **insemination** is disclosed. The inventive **container** has a nozzle for delivery of the biological liquid, wherein the nozzle has means for bending such that the **container** may be used in a vertical position while attached to a horizontal catheter. The nozzle also has means to facilitate opening the tube without tools.

Legal Status (Type, Date, Text)

Publication 20020110 A1 With international search report.

Publication 20020110 A1 Before the expiration of the time limit for  
amending the claims and to be republished in the  
event of the receipt of amendments.

Examination 20020404 Request for preliminary examination prior to end of  
19th month from priority date

Detailed Description

**CONTAINER FOR SEMEN AND OTHER BIOLOGICAL LIQUIDS**

The present invention relates to a **container** for biological liquids, more particularly, biological liquids used in the artificial **insemination** of animals.

...the device of USP 5,006,117 comprises the interior and exterior surfaces of the **container** being smooth and curved throughout and the means performable by a cannula comprising a thick wall portion. In practice, this **container** is a flexible flat plastic **bag** which is adapted to seal around a specially designed catheter.

...with flanges, as shown in FIG. 7, to assist in manual opening of the inventive **container**. The score line is preferably located such that the means for bending is located between...

...score line and the hollow body. This embodiment allows the user to avoid

cutting the **container** nozzle with a knife thereby decreasing the opportunity for bacteriological or **semen** cross contamination of the **semen** sample stored in the tubes.

7/5,K/22 (Item 22 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00851887 \*\*Image available\*\*

**METERING DEVICE FOR USE IN ARTIFICIAL INSEMINATION OF AN ANIMAL**  
**DISPOSITIF DE MESURE DESTINE A ETRE UTILISE DANS L' INSEMINATION**  
**ARTIFICIELLE DE SEMENCE ANIMALE**

Patent Applicant/Inventor:

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200185057 A1 20011115 (WO 0185057)  
Application: WO 2001GB1448 20010330 (PCT/WO GB0101448)  
Priority Application: GB 200010848 20000505

Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR  
KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE  
SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: **A61D-019/02**

Publication Language: English

Filing Language: English

English Abstract

A metering device (1; 100; 200) is described for use in artificial **insemination** of an animal. The device comprises a collapsible dispensing **container** (20; 120; 220) having, or marked with, a predetermined volume when containing diluted **semen** added via an upper inlet for dispensing via a lower outlet. An obturatable feed tube (3; 103; 203) is adapted to be directly or indirectly connected to a bulk **container** (9; 109) of diluted **semen** and to be obturated on feeding of the predetermined volume of the diluted **semen** into the dispensing **container** via the inlet thereof. An obturatable dispensing tube (30; 130; 230) is provided for dispensing the predetermined volume of the diluted **semen** from the **container** via the outlet thereof for presentation to the animal. A method of use of the device is also described.

Legal Status (Type, Date, Text)

Publication 20011115 A1 With international search report.

Examination 20020117 Request for preliminary examination prior to end of  
19th month from priority date

Detailed Description  
DESCRIPTION

The other single dose **container** is known as a flat pack. This is a form of **bag** , into which the **semen** is introduced. It is then **heat** sealed. e flat pack is formed such that a catheter can be attached to the flat pack for introduction of the **semen** to the sow. The flat pack is the most recent single dose **container** to be introduced onto the market. One advantage of it is that when a sow is fully in season, she actually draws the **semen** into her uterus, as a result of uterine contractions. Therefore, if a sow is fully in season, it is not necessary to force the **semen** into her. Indeed this would be difficult with a flat pack **container** . However, with the toothpastetube-like **container** or the bottle, it is possible to squeeze the **container** and force the **semen** into the sow, even if she is not truly in season, in which case the **semen** would be wasted.

...the distal end of the obturable dispensing tube; opening the feed tube and allowing diluted **semen** to flow under gravity into the dispensing **container** ; obturating the feed tube when the volume of liquid in the dispensing **container** is the predetermined volume; inserting the catheter into the female; and opening the dispensing tube and allowing the female to draw the diluted **semen** into her uterus.

Usually the dispensing tube will be obturated when the **semen** has been inserted into the female.

The SEMBAGI 9 is similar to the dispensing **container** 20 in that it includes two sheets of clear, flexible plastics material welded at its edges (for example by RF welding or **heat** welding) and defining a central space for storing liquid. The liquid can be added through an aperture 11 in the top. Usually the diluent will be mixed in the **bag** , and **semen** added thereto.

Once the liquid has been added, a bung 12 is fitted to the...

...aperture or bung. The bung has a spout 13 through which the contents of the **bag** pass. Other collapsible **containers** having different fittings for filling and emptying can be used with the invention. The second obturable tube 30 is sized to enable a standard catheter 32 for the **insemination** of pigs to be inserted tightly into its distal end 34. As shown, the second...first obturable tube 103 and a second obturable tube 130. For connection to a bulk **container** , the first tube 103 is connected to an intermediate tube 150, which may be obturable...

7/5,K/28 (Item 28 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00751648 \*\*Image available\*\*

MEDICAMENT CARRIER

SUPPORT DE MEDICAMENT

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Patent and Priority Information (Country, Number, Date):

Patent: WO 200064778 A1 20001102 (WO 0064778)  
Application: WO 2000EP3515 20000419 (PCT/WO EP0003515)  
Priority Application: GB 999354 19990424

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DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK  
SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE

(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG

(AP) GH GM KE LS MW SD SL SZ TZ UG ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class: B65D-075/20

International Patent Class: A61M-015/00; A61K-009/70

Publication Language: English

Filing Language: English

English Abstract

There is provided a carrier comprising an elongate strip (10) having a first portion and a second portion; a fold between said first portion and said second portion such that the first portion contacts the second portion; and a join between the first portion and the second portion, wherein said join and the fold form the edges of a pocket or **pouch** (20) for containment of product. The carrier is suitable for the containment of a range of different products, particularly medicaments.

Legal Status (Type, Date, Text)

Publication 20001102 A1 With international search report.

Publication 20001102 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Examination 20001228 Request for preliminary examination prior to end of 19th month from priority date

Detailed Description

... inhalation device since minimum force is required by the user to peel back the medicament **pouch** .

It is also an object of the present invention to provide a medicament carrier for...

...the join is formable by a joining 5 method selected from the group consisting of **heat** , laser, radio frequency, adhesive, staple, stamp, pressure and ultrasonic sealing. Suitably the join is peelable to enable peelable access to the pocket or **pouch** .



In a further aspect, there is provided a carrier comprising a medicament therein.

...portion wherein the join and the fold form the edges of an open pocket or **pouch** for containment of product; filling the open pocket or **pouch** with the product; and closing the open pocket or **pouch** by forming a further join.

Preferably there is provided a method of making a carrier...

...comprising pulling the pair of pull release tabs in order to enable access to the **pouch**.

Figure 1a shows a...  
...first and second portion which are folded towards each other until contact is made. A **pouch** 20 is formed by sealing the two outside edges 12 and 14 of the elongate...

...been sufficiently peeled in order to break the seal 18 around the periphery of the **pouch** 20 thereby exposing the medicament 25 powder contained therein.

Figure 1c shows a second medicament...

7/5,K/30 (Item 30 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00528146 \*\*Image available\*\*

BAG FOR PACKAGING LIQUID SUBSTANCES FOR ANIMAL ARTIFICIAL INSEMINATION  
SACHET DE CONDITIONNEMENT DE SUBSTANCES LIQUIDES POUR L' INSEMINATION  
ARTIFICIELLE ANIMALE

Patent Applicant/Assignee:

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BARRE Mickael,

Inventor(s):

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BARRE Mickael,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9959498 A1 19991125  
Application: WO 99FR1179 19990518 (PCT/WO FR9901179)  
Priority Application: FR 986393 19980520

Designated States: AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE  
ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU  
LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA  
UG US UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU  
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG  
CI CM GA GN GW ML MR NE SN TD TG

Main International Patent Class: A61D-019/00

International Patent Class: A61J-001/00

Publication Language: French

English Abstract

*the Patent*

The invention concerns a **bag** (1) for packaging liquid substances for animal artificial **insemination**, consisting of two **thermoplastic** sheets soldered by a weld run (2) defining a **pouch** (3), along a closed generally rectangular marking defining two short sides (x) and (x') and two long sides (z) and (z') when the **bag** is empty, and whereof one of the short sides (x) has a break, the weld run constituting starting from said break a filling passage (4), defining in said **thermoplastic** sheets a filling portion (17), the other of the short sides (x') has a break, the weld run (2) constituting starting from said break a drawing passage (9), defining in said **thermoplastic** sheets a drawing portion (11). Preferably, at least one of said **thermoplastic** sheets has in the drawing portion a peel-off zone (12).

7/5,K/32 (Item 32 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00473543

**COMPOSITIONS FOR THE STORAGE AND DELIVERY OF SOLID PHASE REACTIVE PARTICLES  
AND METHODS OF USING THE SAME**  
**COMPOSITIONS DE STOCKAGE ET D'ADMINISTRATION DE PARTICULES REACTIVES EN  
PHASE SOLIDE ET TECHNIQUE D'UTILISATION**

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PORCO John Anthony Jr,  
VAN EIKEREN Paul,

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VAN EIKEREN Paul,

Patent and Priority Information (Country, Number, Date):

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Application: WO 98US13396 19980626 (PCT/WO US9813396)  
Priority Application: US 97900207 19970724

Designated States: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES  
FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD  
MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US  
UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE  
CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN  
ML MR NE SN TD TG

Main International Patent Class: B01J-019/00

International Patent Class: C07K-001/04; B65D-065/46

Publication Language: English

**English Abstract**

The present invention provides compositions useful for the storage and delivery of solid phase reactive particles. The compositions comprise a) a plurality of solid phase reactive particles, wherein the particles are substantially insoluble in both aqueous and organic solvents; and b) a packaging layer substantially surrounding the plurality of solid phase reactive particles. The packaging layer comprises a packaging material

which is substantially insoluble in aqueous solvents and substantially soluble in organic solvents. The solid phase reactive particles are released from the packaging layer upon dissolution of the packaging material.

#### Detailed Description

##### 1. Insolubility in Aqueous Solvents

The packaging material...conditions. The physical properties of poly(carbonates) are controlled by molecular weight. Poly(carbonates) are **thermoplastics**, where the thermal properties are described by the Tg, the glass-transition temperature. Typically, where...the organic solvent.

##### a. Pouches

The use of films are particularly well suited to the fabrication of packaging layers in any of the **pouch** configurations. The **pouch** configuration allows a maximum surface area of packaging material to be in contact with solvent...

The **pouch** may be made by sealing adjacent layers of a film composed of packaging material by...

...those of skill in the art. Such means include the use of adhesives, ultrasonic sealing, **heat** sealing, pressure sealing, and organic-solvent sealing. Preferably, the finished **pouches** are **heat** sealed. For example, the **pouches** can be constructed from a single piece of flat-sheet-film packaging material by folding over the sheet and then sealing the two parallel edges to form an open **pouch**. Alternatively, the **pouch** can be constructed from two pieces of flat-sheet-film packaging material and then sealing two parallel edges and a third edge...

7/5,K/33 (Item 33 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
(c) 2003 WIPO/Univentio. All rts. reserv.

00403918 \*\*Image available\*\*

**INTEGRAL FLUID AND WASTE CONTAINER FOR BLOOD ANALYZER**  
**RECEPTACLE INTEGRE DE FLUIDE ET DE DECHETS POUR AUTOMATE UTILISE EN**  
**HEMATOLOGIE**

Patent Applicant/Assignee:

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Inventor(s):

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WEINZIERL Michael C,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9744662 A1 19971127

Application: WO 97US8259 19970520 (PCT/WO US9708259)

Priority Application: US 96650340 19960520

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FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW  
MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN GH KE LS MW  
SD SZ UG AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT  
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Main International Patent Class: G01N-033/50

International Patent Class: B01L-03:00; B65D-30:22 ; B65D-33:36 ;

English Abstract

A calibration fluid cartridge (120) for a medical device, such as a blood analyzer. The cartridge (120) includes at least one calibrant **bag** (302) that is filled with a flexible calibration fluid and a flexible waste **bag** (306) for holding fluid waste from the blood analyzer. The calibrant **bags** (302, 304) contract as calibration fluid exits the **bags**, leaving a void in the cartridge (120) that is filled by the waste **bag** (306), which expands with waste fluids as the calibrant **bags** (302, 304) contract. Thus, the cartridge (120) can be made compact and lightweight, making it particularly suited for use in a portable blood analyzer. The calibrant **bags** (302, 304) have fluid ports (310) with self-sealing valves and a flange to secure them within the cartridge (120), as well as a compliant member for facilitating a secure, fluid-tight seal between fluid fitting on the blood analyzer and the calibrant and waste **bags**. The calibrant **bags** (302, 304) can be directly coupled to the blood analyzer to reduce diffusion of gases from the calibrant **bags** (302, 304).

Detailed Description

INTEGRAL FLUID AND WASTE **CONTAINER** FOR BLOOD ANALYZER  
...applied to any type of medical fluid analysis device, such as for urine, spinal fluid, **semen**, and other bodily fluids.) In such devices, a method of waste collection is required to...

SLD04ARY OF THE INVENTION  
...through the port body. The 30 other end of the port body engages the calibrant **bag**, and the port body and calibrant **bag** are preferably **heat** sealed together. Alternatively, the calibrant **bag** and the port body can be adhesively secured to one another. The fluid communication port of a calibration **bag** also includes a self-sealing valve, which is located 5 substantially within the fluid communication...

Claim

...leaf-spring.

7 The cartridge of claim 1 wherein the blood analyzer has a calibrant **bag** locating element and a flow fitting corresponding to each flexible calibrant **bag**, the cartridge further comprising:

- a. a plurality of fluid ports, each fluid port corresponding to one of the flexible calibrant **bags**, each fluid port including:
  - (1) a port body having a fluid communication path extending throughout...

23 The fluid communication port of claim 22 wherein the substantially elliptical **bag** end and the flexible aluminum calibration **bag** are **heat** sealed together.

7/5,K/40 (Item 40 from file: 349)  
DIALOG(R)File 349:PCT FULLTEXT  
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00286981 \*\*Image available\*\*  
APPARATUS FOR COLLECTING SEMEN

**APPAREIL DE COLLECTE DE SPERME**

Patent Applicant/Assignee:

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LINDHOLM-VENTOLA Jukka,

Inventor(s):

LINDHOLM-VENTOLA Jukka,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9505130 A1 19950223

Application: WO 94FI357 19940818 (PCT/WO FI9400357)

Priority Application: FI 933633 19930818

Designated States: AM AT AU BB BG BR BY CA CH CN CZ DE DK ES FI GB GE HU JP

KE KG KP KR KZ LK LT LU LV MD MG MN MW NL NO NZ PL PT RO RU SD SE SI SK

TJ TT UA US UZ VN AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE

Main International Patent Class: A61D-019/02

Publication Language: English

**English Abstract**

The invention relates to an apparatus for collecting **semen** to be used in animal breeding, which apparatus comprises a collector funnel (10) curving mainly downwardly from the horizontal to the vertical and at the same time narrowing, and having a **semen** -receiving opening (16) at its upper end and a discharge opening (18) for **semen** at its lower end. The collector funnel can be fitted between an artificial vagina (44) and a **semen** -receiving unit (46) so as to conduct the **semen** passing through the artificial vagina to the **semen** -receiving unit. The collector funnel (10) comprises an outer jacket (12) and an inner jacket (14) of substantially the same shape as the outer jacket but having a smaller diameter, made of a resilient material, which inner jacket can be disposed, preferably concentrically, in the outer jacket. A ring-shaped, substantially tight space (22) is formed between the jackets, to which means for bringing about a vacuum in the space (22) between the jackets are connected so as to smooth the inner jacket (14) by stretching it towards the outer jacket (12).

**Detailed Description**

**APPARATUS FOR COLLECTING SEMEN**

The invention relates to an apparatus for collecting **semen** to be used in animal breeding, which apparatus comprises a collector funnel curving mainly downwardly...

...horizontal to the vertical and at the same time narrowing, 5 the apparatus having a **semen** -receiving opening at its upper end and a discharge opening for the **semen** at its lower end, The collector funnel can be fitted between an artificial vagina and a **semen** -receiving unit so as to conduct the **semen** passing through the artificial vagina to the receiving unit.

7/TI/2 (Item 2 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

DEVICE AND METHOD FOR INTRODUCING AND/OR COLLECTING FLUIDS FROM THE INTERIOR  
OF THE UTERUS OF AN ANIMAL

VORRICHTUNG UND VERFAHREN ZUM EINBRINGEN ODER ENTNEHMEN VON FLUSSIGKEITEN  
AUS DEM INNEREN DES UTERUS EINES TIERES

DISPOSITIF ET METHODE PERMETTANT D'INTRODUIRE ET/OU DE PRELEVER DES FLUIDES  
A L'INTERIEUR DE L'UTERUS D'UN ANIMAL

7/TI/4 (Item 4 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Injector of sperm or of a fertilized ovum into a domestic animal and  
method of operation thereof

Gerat und Verfahren zum Injizieren von Sperma oder Embryos in ein  
Haustier

Dispositif et methode pour l'injection de semence ou d'embryons dans un  
animal domestique

7/TI/6 (Item 6 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

A FLEXIBLE TUBULAR PACKAGE AND PACKAGED TAMPON APPLICATOR

SCHLAUCHPACKUNG SOWIE VERPACKTE TAMPONEINFUHRVORRICHTUNG

EMBALLAGE TUBULAIRE SOUPLE ET APPLICATEUR DE TAMPON EMBALLE

7/TI/8 (Item 8 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Embryo collector.

Vorrichtung zum Auffangen von Embryonen.

Dispositif pour la collecte d'embryons.

7/TI/10 (Item 10 from file: 348)

DIALOG(R)File 348:(c) 2003 European Patent Office. All rts. reserv.

Improvements in the device for the collection and evaluation of the embryo  
of the bovine and other animal species

Verbesserungen an einer Vorrichtung zum Auffangen und Evaluieren eines  
Embryos von Rindern und anderen Tiersorten

Dispositif ameliore pour la collecte et l'evaluation d'embryons de bovins  
et d'autres especes d'animaux

7/TI/14 (Item 14 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DEVICE FOR SOW INTRA-UTERINE INSEMINATION AND EMBRYO TRANSFER

DISPOSITIF D' INSEMINATION INTRA-UTERINE ET DE TRANSPLANTATION D'EMBRYONS  
CHEZ LA TRUIE

7/TI/16 (Item 16 from file: 349)

DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

METHOD OF PRESERVING CELLS AND USES THEREOF  
PROCEDE DE CONSERVATION DE CELLULES ET UTILISATIONS DE CELLES-CI

7/TI/17 (Item 17 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

APPARATUS AND METHOD FOR ARTIFICIAL INSEMINATION AND EMBRYO TRANSFER OF ANIMALS  
APPAREIL ET PROCEDE D' INSEMINATION ARTIFICIELLE ET DE TRANSFERT D'EMBRYONS D'ANIMAUX

7/TI/18 (Item 18 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

COEXTRUDED PLASTIC CATHETER  
CATHETER EN PLASTIQUE COEXTRUDE

7/TI/20 (Item 20 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

INTEGRATED HERD MANAGEMENT SYSTEM UTILIZING ISOLATED POPULATIONS OF X-CHROMOSOME BEARING AND Y-CHROMOSOME BEARING SPERMATOOA  
SYSTEME DE CONDUITE DE TROUPEAU INTEGRE UTILISANT DES POPULATIONS ISOLEES DE SPERMATOOIDES PORTEURS DU CHROMOSOME X ET DU CHROMOSOME Y

7/TI/21 (Item 21 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CRYOPRESERVATION OF SWINE EMBRYOS  
CRYOPRESERVATION D'EMBRYONS PORCINS

7/TI/23 (Item 23 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PLEATED COSMETIC EFFERVESCENT CLEANSING PILLOW  
COUSSIN DE NETTOYAGE A EFFERVESCENCE, A USAGE COSMETIQUE ET A PLIS

7/TI/24 (Item 24 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PACKAGING BAG FOR LIQUID SUBSTANCES FOR ANIMAL ARTIFICIAL INSEMINATION  
SACHET DE CONDITIONNEMENT DE SUBSTANCES LIQUIDES POUR L' INSEMINATION ARTIFICIELLE ANIMALE

7/TI/25 (Item 25 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

IMMOBILIZED LACTOFERRIN (Im-LF) ANTIMICROBIAL AGENTS AND USES THEREOF  
AGENTS ANTIMICROBIENS DE LACTOFERRINE IMMOBILISEE (IM-LF) ET UTILISATIONS ASSOCIEES

7/TI/26 (Item 26 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

COMPOSITIONS FOR FREEZING DOG SPERM , METHOD OF FREEZING THE DOG SPERM  
UTILIZING THE COMPOSITIONS AND ARTIFICIAL INSEMINATION METHOD  
EMPLOYING THE FROZEN DOG SPERM  
COMPOSITIONS POUR CONGELER DU SPERME CANIN, PROCEDE DE CONGELATION DE  
SPERME CANIN UTILISANT CES COMPOSITIONS ET PROCEDE D' INSEMINATION  
ARTIFICIELLE EMPLOYANT LE SPERME CANIN CONGELE

7/TI/27 (Item 27 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

MEDICAMENT CARRIER  
SUPPORT POUR MEDICAMENTS

7/TI/29 (Item 29 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

HIGHLY PURE POLYSTYRENE, METHOD FOR PREPARING THE SAME AND DISPOSABLE FOOD  
CONTAINER USING THE SAME  
POLYSTYRENE EXTREMEMENT PUR, SON PROCEDE DE PREPARATION, ET RECIPIENT  
ALIMENTAIRE JETABLE UTILISANT CE POLYSTYRENE

7/TI/31 (Item 31 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

DEVELOPMENT OF NORMAL OFFSPRING FROM OOCYTES INJECTED WITH FREEZE-DRIED  
SPERMATOOA  
DEVELOPPEMENT DE DESCENDANCE NORMALE A PARTIR D'OVOCYTES DANS LESQUELS ON A  
INJECTE DES SPERMATOOIDES LYOPHILISES

7/TI/34 (Item 34 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

RECIPIENT-DOSAGE DELIVERY SYSTEM  
SYSTEME D'ADMINISTRATION DE DOSES DE MEDICAMENT A UN RECEVEUR

7/TI/35 (Item 35 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

BIOLUMINESCENT NOVELTY ITEMS  
NOUVEAUX ARTICLES BIOLUMINESCENTS

7/TI/36 (Item 36 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CRYOGENIC FREEZING VIAL  
FLACON A CONGELATION PAR CRYOGENIE

7/TI/37 (Item 37 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.



METHODS AND COMPOSITIONS TO IMPROVE GERM CELL AND EMBRYO SURVIVAL AND  
FUNCTION  
PROCEDES ET COMPOSITIONS PERMETTANT D'AMELIORER LA SURVIE ET LES FONCTIONS  
DE CELLULES GERMINALES ET D'EMBRYONS

7/TI/38 (Item 38 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

PACKAGE DISPENSER FOR PLURALITY OF GARMENTS  
DISTRIBUTEUR DE PLUSIEURS EFFETS CONDITIONNES EN LOTS

7/TI/39 (Item 39 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

CONDOM APPLICATOR AND PACKAGING  
APPLICATEUR ET EMBALLAGE DE PRESERVATIF

7/TI/41 (Item 41 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

THERMALLY INSULATING CONTAINERS  
RECIPIENT A ISOLATION THERMIQUE

7/TI/42 (Item 42 from file: 349)  
DIALOG(R)File 349:(c) 2003 WIPO/Univentio. All rts. reserv.

TEMPERATURE MAINTENANCE OF BIOLOGICAL OR OTHER SAMPLES AT A SELECTED  
TEMPERATURE

Set	Items	Description
S1	257829	BAG? ? OR POUCH?? OR CONTAINER? ? OR SACHET? ? OR RECEPTAC- LE? ? OR BLADDER? ? OR SAC OR SACS OR SACK OR SACKS OR BALLOO- N? ?
S2	357347	HEAT OR THERMOPLASTIC? OR THERMO()PLASTIC?
S3	23516	SEMINAL OR SEMEN OR EJACULAT? OR SPERM? OR INSEMINAT?
S4	5540	S1 AND S2 AND S3
S5	42	S4 AND IC=(A61D OR B65B OR B65D)
S6	42	IDPAT (sorted in duplicate/non-duplicate order)
S7	42	IDPAT (primary/non-duplicate records only)

? show files

File 348:EUROPEAN PATENTS 1978-2003/Feb W01  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030130,UT=20030123  
(c) 2003 WIPO/Univentio

8/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013762943 \*\*Image available\*\*  
WPI Acc No: 2001-247154/200126  
XRAM Acc No: C01-074507  
XRPX Acc No: N01-176012

**Plastic sachet for substances used for artificial insemination of animals  
has opening in one edge with adhesive strip for sealing**

Patent Assignee: IMV TECHNOLOGIES (IMVT-N); IMV TECHNOLOGIES SA (IMVT-N)  
Inventor: **BARRE M**; LESIEUR F; SAINT-RAMON J; SAINT R J G  
Number of Countries: 095 Number of Patents: 007  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2797582	A1	20010223	FR 9910635	A	19990819	200126 B
WO 200113818	A1	20010301	WO 2000FR2351	A	20000821	200126
AU 200070152	A	20010319	AU 200070152	A	20000821	200136
EP 1123062	A1	20010816	EP 2000958716	A	20000821	200147
			WO 2000FR2351	A	20000821	
KR 2001075641	A	20010809	KR 2001704850	A	20010418	200211
CN 1320025	A	20011031	CN 2000801741	A	20000821	200215
MX 2001003912	A1	20010601	MX 20013912	A	20010418	200235

Priority Applications (No Type Date): FR 9910635 A 19990819

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2797582	A1	11	A61D-019/02	
WO 200113818	A1 F		A61D-019/02	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW				
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW				
AU 200070152	A		A61D-019/02	Based on patent WO 200113818
EP 1123062	A1 F		A61D-019/02	Based on patent WO 200113818
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK RO SI				
KR 2001075641	A		A61D-019/02	
CN 1320025	A		A61D-019/02	
MX 2001003912	A1		A61D-019/02	

Abstract (Basic): FR 2797582 A1

NOVELTY - The sachet is made from two layers of a thermoplastic material, welded together to form a **pouch** (3), and with the weld line (2) shaped to form an opening (4) in one of the shorter edges. The inner surface of one of the two layers in the edge containing the opening has an adhesive strip (6) 15-25 mm wide with a detachable paper covering layer which allows the **pouch** to be sealed.

USE - Containing biological liquids such as animal semen and diluents.

ADVANTAGE - The sachet is easily sealed by hand after filling, with no need for heat welding.

DESCRIPTION OF DRAWING(S) - The drawing shows a plan view of the sachet.

Weld line (2)

Pouch (3)  
Opening (4)  
Adhesive strip (6)  
pp; 11 DwgNo 1/2

Title Terms: PLASTIC; SACHET; SUBSTANCE; ARTIFICIAL; INSEMINATION; ANIMAL;  
OPEN; ONE; EDGE; ADHESIVE; STRIP; SEAL  
Derwent Class: A14; A23; A92; B07; C07; D22; P32  
International Patent Class (Main): A61D-019/02  
File Segment: CPI; EngPI

8/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

012867431 \*\*Image available\*\*  
WPI Acc No: 2000-039264/200003  
XRAM Acc No: C00-010244  
XRPX Acc No: N00-029589

**Animal sperm packaging bag having separate sealable portions for filling and emptying**

Patent Assignee: IMV TECHNOLOGIES (IMVT-N); IMV TECHNOLOGIES SA (IMVT-N);  
INSTR MEDECINE VETERINAIRE SA (INST-N)

Inventor: BARRE M ; DUVAL A ; SAINT RAMON J ; SAINT-RAMON J; SAINT  
RAMON J G ; LA FERTE A D; SAINT-RAMON J G

Number of Countries: 086 Number of Patents: 018

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
WO 9959498	A1	19991125	WO 99FR1179	A	19990518	200003	B
FR 2778841	A1	19991126	FR 986393	A	19980520	200003	
AU 9938292	A	19991206	AU 9938292	A	19990518	200019	
FI 200000105	A	20000119	WO 99FR1179	A	19990518	200020	
			FI 2000105	A	20000119		
GB 2342912	A	20000426	WO 99FR1179	A	19990518	200023	
			GB 20001137	A	20000118		
DK 200000064	A	20000117	WO 99FR1179	A	19990518	200044	
			DK 200064	A	20000117		
BR 9906466	A	20000926	BR 996466	A	19990518	200051	
			WO 99FR1179	A	19990518		
SE 200000154	A	20000119	WO 99FR1179	A	19990518	200056	
			SE 2000154	A	20000119		
EP 1075229	A1	20010214	EP 99920882	A	19990518	200111	
			WO 99FR1179	A	19990518		
CN 1272052	A	20001101	CN 99800771	A	19990518	200112	
TW 403645	A	20000901	TW 99108295	A	19990520	200112	
ZA 200000219	A	20010328	ZA 2000219	A	20000119	200121	
KR 2001022011	A	20010315	KR 2000700579	A	20000119	200159	
JP 2002515376	W	20020528	WO 99FR1179	A	19990518	200238	
			JP 2000549165	A	19990518		
MX 2000000691	A1	20010801	MX 2000691	A	20000119	200238	
ES 2167282	A1	20020501	ES 200050003	A	19990518	200240	
GB 2342912	B	20020626	WO 99FR1179	A	19990518	200250	
			GB 20001137	A	20000118		
AU 749341	B	20020627	AU 9938292	A	19990518	200254	

Priority Applications (No Type Date): FR 986393 A 19980520  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9959498	A1	F	17	A61D-019/00	
Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW					
FR 2778841	A1			A61D-019/02	
AU 9938292	A			A61D-019/00	Based on patent WO 9959498
FI 200000105	A			A61D-000/00	
GB 2342912	A			A61D-019/00	Based on patent WO 9959498
DK 200000064	A			A61D-019/00	
BR 9906466	A			A61D-019/00	Based on patent WO 9959498
SE 200000154	A			A61D-019/02	
EP 1075229	A1	F		A61D-019/00	Based on patent WO 9959498
Designated States (Regional): AL AT BE CY DE FR GR IE IT LT LU LV MC NL PT RO SI					
CN 1272052	A			A61D-019/00	
TW 403645	A			A61D-001/08	
ZA 200000219	A		22	A61D-000/00	
KR 2001022011	A			A61D-019/00	
JP 2002515376	W		16	B65D-075/30	Based on patent WO 9959498
MX 2000000691	A1			A61D-019/00	
ES 2167282	A1			A61D-019/02	
GB 2342912	B			A61D-019/00	Based on patent WO 9959498
AU 749341	B			A61D-019/00	Previous Publ. patent AU 9938292 Based on patent WO 9959498

Abstract (Basic): WO 9959498 A1

NOVELTY - A **bag** (1) for packaging liquids for animal artificial insemination includes separate sealable portions for filling and for emptying the **bag**.

DETAILED DESCRIPTION - The **bag** comprises two thermoplastic sheets bonded together with a join line forming a **pouch** and defining a closed rectangular space (3). Along one of the shorter sides, a sealable break (4) through which the **bag** is filled is located, and in the other shorter side there is a break through which the **bag** is emptied. This emptying arrangement (10) is preferably bell-shaped and is sealed by means of a peelable strip (12). Preferably the thermoplastic sheets are colored and bear identification of the species or genetic type of animal used.

USE - Containers for sperm for artificial insemination, especially of pigs or horses.

ADVANTAGE - By having separate allowance for filling and emptying the **bags**, the inconvenience of soiling when an insemination probe is used that does not fit the **bag** precisely, due to damage occurring when the **bag** was filled, is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows a typical **bag** as follows

- Bag (1)
  - Sealing band (2)
  - Pocket (3)
  - Filling channel (4)
  - Emptying channel (10)
  - Peelable sealing means (12)
- pp; 17 DwgNo 2/4

Title Terms: ANIMAL; SPERM; PACKAGE; **BAG** ; SEPARATE; SEAL; PORTION; FILL;  
EMPTY  
Derwent Class: B07; C07; P14; P32; P33; Q32; Q34  
International Patent Class (Main): A61D-000/00; A61D-001/08; A61D-019/00;  
A61D-019/02; B65D-075/30  
International Patent Class (Additional): A01K-067/02; A61J-001/00;  
A61J-001/10; B65D-033/36  
File Segment: CPI; EngPI

8/5/3 (Item 3 from file: 348)  
DIALOG(R)File 348:EUROPEAN PATENTS  
(c) 2003 European Patent Office. All rts. reserv.

01467225

Bag for packing animal semen and for treatment of the uterus  
Beutel zum Verpacken von tierischem Samen und zur Behandlung vom Uterus  
Sachet de conditionnement de semence animale et de traitement uterin

PATENT ASSIGNEE:

IMV Technologies, (2867760), 10, rue Georges Clemenceau, 61300 L'Aigle,  
(FR), (Applicant designated States: all)

INVENTOR:

Saint-Ramon, Jean-Gerard , 10 rue Georges Clemenceau, 61300 L'Aigle,  
(FR)

Lesieur, Francis, 2, rue de la Corne, 61300 Saint-Michel Thubeuf, (FR)  
LEGAL REPRESENTATIVE:

Barbin le Bourhis, Joel (44276), Cabinet Bonnet-Thirion, 12, Avenue de la  
Grande-Armee, B.P.966, 75829 Paris Cedex 17, (FR)

PATENT (CC, No, Kind, Date): EP 1249212 A1 021016 (Basic)

APPLICATION (CC, No, Date): EP 2002290852 020405;

PRIORITY (CC, No, Date): FR 014973 010411

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR

EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI

INTERNATIONAL PATENT CLASS: A61D-019/02

ABSTRACT EP 1249212 A1 (Translated)

Sachet for animal semen and treatment of uterus has outlet duct with  
sections of two different diameters with smaller one nearest sachet  
cavity

The sachet (11) is made from two layers of a thermoplastic material  
joined by welded seams to form a **pouch** (12) with two long and two short  
sides. One of the short sides has an inlet (14) for filling, and the  
other an outlet duct (16) to receive a telescopic insemination tube (3)  
with a spherical tip (7) and a foam plug (6). The outlet duct has  
sections with two different diameters (D1, D2), with the smaller one  
nearest the sachet cavity, and the sachet has a peel-open zone (18)  
adjacent to the outlet duct, sealed e.g. with wax.

TRANSLATED ABSTRACT WORD COUNT: 122

NOTE:

Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 021016 A1 Published application with search report

LANGUAGE (Publication,Procedural,Application): French; French; French

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(French)	200242	268
SPEC A	(French)	200242	1339
Total word count - document A			1607
Total word count - document B			0
Total word count - documents A + B			1607

8/5/4 (Item 4 from file: 348)  
 DIALOG(R)File 348:EUROPEAN PATENTS  
 (c) 2003 European Patent Office. All rts. reserv.

00893997

Package for biological liquids having peelable film for introducing a tube  
 Verpackung für biologische Flüssigkeiten mit aufreissbarer Folie zur  
 Einführung einer Sonde

Sachet de conditionnement de substances liquides biologiques a ouverture  
 pelable pour introduction de canules, tubes et sondes

PATENT ASSIGNEE:

IMV Technologies, (2867760), 10, rue Georges Clemenceau, 61300 L'Aigle,  
 (FR), (Proprietor designated states: all)

INVENTOR:

Saint-Ramon, Jean-Gerard , 13 rue Le Laboureur, 95160 Montmorency, (FR)  
 Dassier, Claude, 9 rue du General de Gaulle, 28190 Fontaine La Guyon,  
 (FR)

Beau, Christian, 9 rue Dufy, 78960 Voisins-Le-Bretonneux, (FR)  
 Lesieur, Francis, 27 rue Croix Saint-Jacques, 61300 L'Aigle, (FR)

LEGAL REPRESENTATIVE:

CABINET BONNET-THIRION (100331), 12, Avenue de la Grande-Armee, 75017  
 Paris, (FR)

PATENT (CC, No, Kind, Date): EP 816252 A1 980107 (Basic)  
 EP 816252 B1 010711

APPLICATION (CC, No, Date): EP 97401488 970626;

PRIORITY (CC, No, Date): FR 968095 960628

DESIGNATED STATES: AT; BE; DE; DK; ES; GB; IE; IT; NL

INTERNATIONAL PATENT CLASS: B65D-075/58

CITED PATENTS (EP B): DE 2647399 A; FR 2667504 A; GB 642351 A; US 2648463 A  
 ; US 2998880 A

ABSTRACT EP 816252 A1 (Translated)

Sachet for biological liquids

The sachet (1) for packaging biological liquids is made of two sheets  
 of thermoplastic material which are welded by a welding cord (2)  
 delimiting a pocket (3). The upper part of the pocket is extended by a  
 filling conduit (4) which has a widened cone (5). Holes (6) are made near  
 the two longitudinal edges which serve to place the sachet on a packaging  
 machine. Welding zones (7,8) hold the two sheets against each other and  
 avoid their separation in the packaging machine.

One of the two sheets has, in its upper part, a wax peeling zone (9).  
 After filling, the sachet is sealed in a sealing zone (10) inside the  
 peel off zone near to the upper part of the conduit.

TRANSLATED ABSTRACT WORD COUNT: 126

ABSTRACT EP 816252 A1

Sachet for biological liquids

The sachet (1) for packaging biological liquids is made of two sheets  
 of thermoplastic material which are welded by a welding cord (2)

delimiting a pocket (3). The upper part of the pocket is extended by a filling conduit (4) which has a widened cone (5). Holes (6) are made near the two longitudinal edges which serve to place the sachet on a packaging machine. Welding zones (7,8) hold the two sheets against each other and avoid their separation in the packaging machine.

One of the two sheets has, in its upper part, a wax peeling zone (9). After filling, the sachet is sealed in a sealing zone (10) inside the peel off zone near to the upper part of the conduit.

ABSTRACT WORD COUNT: 128

NOTE:

Figure number on first page: 2

LEGAL STATUS (Type, Pub Date, Kind, Text):

Examination: 000517 A1 Date of dispatch of the first examination  
report: 20000404  
Application: 980107 A1 Published application (A1with Search Report  
;A2without Search Report)  
Oppn: 010905 B1 Opposition 01/20010711 Opposition filed  
Jorgen Kruuse A/S (135160) Marslev Byvej 35  
5290 Marslev DK  
(Representative:) Sundien, Thomas et al (90882)  
Hofman-Bang Zacco A/S, Hans Bekkevolds Alle 7  
2900 Hellerup (DK)  
Change: 010103 A1 Title of invention (French) changed: 20001116  
Change: 010103 A1 Title of invention (English) changed: 20001116  
Change: 010103 A1 Title of invention (German) changed: 20001116  
Assignee: 000607 A1 Transfer of rights to new applicant: IMV  
Technologies (2867760) 10, rue Georges  
Clemenceau 61300 L'Aigle FR  
Grant: 010711 B1 Granted patent  
Examination: 980506 A1 Date of filing of request for examination:  
980306  
Change: 980916 A1 Designated Contracting States (change)  
Change: 991027 A1 Designated contracting states changed 19990903

LANGUAGE (Publication, Procedural, Application): French; French; French

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(French)	199802	303
CLAIMS B	(English)	200128	310
CLAIMS B	(German)	200128	305
CLAIMS B	(French)	200128	322
SPEC A	(French)	199802	1503
SPEC B	(French)	200128	1926
Total word count - document A			1806
Total word count - document B			2863
Total word count - documents A + B			4669

8/5/5 (Item 5 from file: 371)

000987986 \*\*Image present\*\*

Titre: DISPOSITIF D'INSEMINATION ARTIFICIELLE, NOTAMMENT POUR LA  
REPRODUCTION DES PORCS

Deposant: IMV TECHNOLOGIES (No. SIREN: 352600209)

Nom et Adresse du Deposant: IMV TECHNOLOGIES (Societe anonyme) -

Deposant - 10 RUE CLEMENCEAU 61300 L AIGLE (FR) (FR-61300)

Nom Inventeurs: SAINT RAMON JEAN GERARD - 10 RUE GEORGES CLEMENCEAU  
61300 L AIGLE (FR-61300); CASSOU BERTRAND - LA SAPAIE 61300 ST



SYMPHORIEN DES BRUYERES (FR-61300  
Nom Mandataire: CABINET BONNET THIRION  
Nature de Publication: Brevet  
Information de Brevet et Priorites (Pays, Numero, Date):  
Numero Publication: FR 2798279 - 20010316  
Numero Depot: FR 9911433 - 19990913  
Priorites: FR 9911433 - 19990913  
Rapport de Recherche Preliminaire (Brevet/Reference, Code de Pertinence):  
Cites dans le rapport de recherche  
Cites par le deposant  
FR 2720929 A (Cat. A,D)  
WO 9926557 A (Cat. A)  
WO 9302634 A (Cat. A)  
FR 2720929 A

Resume:

Dispositif d'insemination artificielle comprenant une sorte de selle sur laquelle on vient placer une dose de semence animale. Selon l'invention, le dispositif comporte une piece souple (16) et deux lests (18) destines a etre places le long des flancs de l'animal, chaque lest etant constitue d'une plaque (18a) pesante raccordee a une extremite laterale de la piece souple sans etre enveloppee dans celle-ci.

Classification Internationale (Principale): A61D-019/02

Descripteurs Francais: INSEMINATION ARTIFICIELLE; TRUIE; SACHET; SEMENCE; LEST; PLAQUE; METAL; PIECE SOUPLE; SELLE  
Descripteurs Anglais: ARTIFICIAL INSEMINATION; SOW; BAG ; SEMENS; BALLAST; PLATE; METAL; FLEXIBLE PIECE; SADDLE

8/5/6 (Item 6 from file: 371)  
000940233 \*\*Image present\*\*  
Titre: SACHET DE CONDITIONNEMENT DE SUBSTANCES LIQUIDES A OUVERTURE PELABLE POUR INTRODUCTION DE CANULES, TUBES ET SONDES  
Deposant: INSTRUMENTS MEDECINE VETERINAIRE  
Nom et Adresse du Deposant: INSTRUMENTS DE MEDECINE VETERINAIRE (SOCIETE ANONYME) - Deposant - 10 RUE GEORGES CLEMENCEAU 61300 L AIGLE (FR-61300)  
Nom Inventeurs: DASSIER CLAUDE - 9 RUE DU GENERAL DE GAULLE 28190 FONTAINE LA GUYON (FR-28190); BEAU CHRISTIAN - 9 RUE DUFY 78960 VOISINS LE BRETONNEUX (FR-78960); LESUEUR FRANCIS - 27 RUE CROIX SAINT JACQUES 61300 L AIGLE (FR-61300); SAINT RAMON JEAN GERARD - 13 RUE LE LABOUREUR 95160 MONTMORENCY (FR-95160)  
Nom Mandataire: CABINET BONNET THIRION  
Nature de Publication: Brevet  
Information de Brevet et Priorites (Pays, Numero, Date):  
Numero Publication: FR 2750399 - 19980102  
Numero Depot: FR 968095 - 19960628  
Priorites: FR 968095 - 19960628  
Rapport de Recherche Preliminaire (Brevet/Reference, Code de Pertinence):  
Cites dans le rapport de recherche  
DE 2647399 A (Cat. X)  
GB 642351 A (Cat. Y)  
FR 2667504 A (Cat. Y,D)  
US 2998880 A (Cat. Y)  
US 2648463 A (Cat. A)

US 2998880 A (Cat. Y)

US 2648463 A (Cat. A)

Resume:

Sachet (1) pour le conditionnement de substances liquides, constitue de deux feuilles de matiere thermoplastique soudees par un cordon de soudure (2) delimitant une poche (3) a laquelle est raccorde a sa partie superieure un conduit de remplissage (4), dans lequel une des deux feuilles de matiere thermoplastique possede dans ladite partie superieure une zone de pelabilite (9) comportant une cire. Apres remplissage, le sachet est soumis a un scellage dans une zone de scellage (10) a l'interieur de la zone de pelabilite, au voisinage de la partie superieure du conduit, transversalement par rapport a l'axe de celui-ci. Le sachet peut etre ouvert facilement, sans faire appel a un outil de decoupe, dans la zone souhaitee, en separant manuellement les deux feuilles en matiere thermoplastique et une sonde peut etre introduite dans le conduit du sachet avec un bon guidage.

Classification Internationale (Principale): B65D-033/36

Classification Internationale: A61D-019/02

Descripteurs Francais: SACHET; FEUILLE; MATIERE THERMOPLASTIQUE; LIQUIDE;

SCELLAGE; PELABILITE; CIRE; SEMENCE; INSEMINATION ARTIFICIELLE; ANIMAL  
Descripteurs Anglais: **BAG** ; FILM; THERMOPLASTICS; LIQUID; SEALING; PELLING  
; WAX; SEMEN; ANIMAL; ARTIFICIAL INSEMINATION

Set	Items	Description
S1	37	AU='SAINT RAMON J':AU='SAINT RAMON JEAN GERARD'
S2	1	AU='ST ROMAIN J H'
S3	24	E3:E6,E8
S4	30	E3:E5,E7:E10
S5	84	S1:S4
S6	12	S5 AND (POUCH?? OR BAG? ?)
S7	12	IDPAT (sorted in duplicate/non-duplicate order)
S8	6	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)

(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Feb W01

(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20030130,UT=20030123

(c) 2003 WIPO/Univentio

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200309

(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209

(c) 2002 INPI. All rts. reserv.

7/5/1 (Item 1 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2003 Thomson Derwent. All rts. reserv.

014894380 \*\*Image available\*\*  
 WPI Acc No: 2002-715086/200278  
 XRPX Acc No: N02-564097

Sachet for animal semen and treatment of uterus has outlet duct with sections of two different diameters with smaller one nearest sachet cavity

Patent Assignee: IMV TECHNOLOGIES (IMVT-N); IMV TECHNOLOGIES SA (IMVT-N)  
 Inventor: LESIEUR F; SAINT-RAMON J; SAINT R J G  
 Number of Countries: 028 Number of Patents: 004  
 Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1249212	A1	20021016	EP 2002290852	A	20020405	200278 B
FR 2823435	A1	20021018	FR 20014973	A	20010411	200278
US 20020165519	A1	20021107	US 2002120134	A	20020411	200280
CA 2378691	A1	20021011	CA 2378691	A	20020327	200280

Priority Applications (No Type Date): FR 20014973 A 20010411

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
EP 1249212	A1	F 7	A61D-019/02	
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR				
FR 2823435	A1		A61D-019/02	
US 20020165519	A1		A61B-019/00	
CA 2378691	A1	F	A61J-001/10	

Abstract (Basic): EP 1249212 A1

NOVELTY - The **sachet** (11) is made from two layers of a **thermoplastic** material joined by welded seams to form a **pouch** (12) with two long and two short sides. One of the short sides has an inlet (14) for filling, and the other an outlet duct (16) to receive a telescopic **insemination** tube (3) with a spherical tip (7) and a foam plug (6). The outlet duct has sections with two different diameters (D1, D2), with the smaller one nearest the **sachet** cavity, and the **sachet** has a peel-open zone (18) adjacent to the outlet duct, sealed e.g. with wax.

USE - Artificial **insemination** and uterine treatment of animals, especially pigs, but also suitable for horses and rhinoceroses.

ADVANTAGE - The outlet duct is able to receive both parts of the telescopic **insemination** tube.

DESCRIPTION OF DRAWING(S) - The drawing shows a side view of the **sachet**.

Insemination tube (3)  
 Foam plug (6)  
 Spherical tip (7)  
**Sachet** (11)  
**Pouch** (12)  
 Inlet (14)  
 Outlet duct (16)  
 Peel-open zone (18)  
 pp; 7 DwgNo 1/1

Title Terms: **SACHET** ; ANIMAL; **SEMEN** ; TREAT; UTERINE; OUTLET; DUCT; SECTION; TWO; DIAMETER; SMALLER; ONE; NEARBY; **SACHET** ; CAVITY

Derwent Class: P32  
International Patent Class (Main): A61B-019/00; A61D-019/02 ; A61J-001/10  
International Patent Class (Additional): A61M-001/00  
File Segment: EngPI

7/5/2 (Item 2 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

013762943 \*\*Image available\*\*  
WPI Acc No: 2001-247154/200126  
XRAM Acc No: C01-074507  
XRPX Acc No: N01-176012

Plastic sachet for substances used for artificial insemination of animals has opening in one edge with adhesive strip for sealing  
Patent Assignee: IMV TECHNOLOGIES (IMVT-N); IMV TECHNOLOGIES SA (IMVT-N)  
Inventor: BARRE M; LESIEUR F; SAINT-RAMON J; SAINT R J G  
Number of Countries: 095 Number of Patents: 007  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2797582	A1	20010223	FR 9910635	A	19990819	200126 B
WO 200113818	A1	20010301	WO 2000FR2351	A	20000821	200126
AU 200070152	A	20010319	AU 200070152	A	20000821	200136
EP 1123062	A1	20010816	EP 2000958716	A	20000821	200147
			WO 2000FR2351	A	20000821	
KR 2001075641	A	20010809	KR 2001704850	A	20010418	200211
CN 1320025	A	20011031	CN 2000801741	A	20000821	200215
MX 2001003912	A1	20010601	MX 20013912	A	20010418	200235

Priority Applications (No Type Date): FR 9910635 A 19990819  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
FR 2797582	A1	11		A61D-019/02	
WO 200113818	A1	F		A61D-019/02	
Designated States (National): AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CR CU CZ DE DK DM DZ EE FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW					
Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SL SZ TZ UG ZW					
AU 200070152	A			A61D-019/02	Based on patent WO 200113818
EP 1123062	A1	F		A61D-019/02	Based on patent WO 200113818
Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK RO SI					
KR 2001075641	A			A61D-019/02	
CN 1320025	A			A61D-019/02	
MX 2001003912	A1			A61D-019/02	

Abstract (Basic): FR 2797582 A1

NOVELTY - The sachet is made from two layers of a thermoplastic material, welded together to form a pouch (3), and with the weld line (2) shaped to form an opening (4) in one of the shorter edges. The inner surface of one of the two layers in the edge containing the opening has an adhesive strip (6) 15-25 mm wide with a detachable paper covering layer which allows the pouch to be sealed.

USE - Containing biological liquids such as animal semen and

diluents.

ADVANTAGE - The **sachet** is easily sealed by hand after filling, with no need for **heat** welding.

DESCRIPTION OF DRAWING(S) - The drawing shows a plan view of the **sachet**.

Weld line (2)

**Pouch** (3)

Opening (4)

Adhesive strip (6)

pp; 11 DwgNo 1/2

Title Terms: PLASTIC; **SACHET**; SUBSTANCE; ARTIFICIAL; **INSEMINATION**;

ANIMAL; OPEN; ONE; EDGE; ADHESIVE; STRIP; SEAL

Derwent Class: A14; A23; A92; B07; C07; D22; P32

International Patent Class (Main): **A61D-019/02**

File Segment: CPI; EngPI

7/5/3 (Item 3 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012991359 \*\*Image available\*\*

WPI Acc No: 2000-163211/200015

XRPX Acc No: N00-121894

**Support device for filling strips of bags with biological fluid, uses inclined plate with support studs providing top access for filling and sealing**

Patent Assignee: MEDIPLAST EURL (MEDI-N)

Inventor: LECOINTE P

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2780877	A1	20000114	FR 989116	A	19980710	200015 B

Priority Applications (No Type Date): FR 989116 A 19980710

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2780877	A1	7	A61J-001/16	

Abstract (Basic): FR 2780877 A1

NOVELTY - The device comprises a near vertical plate (10) with support base (12) and studs (2) onto which openings (52) in the **bags** (5) can be located. Strips of **bags** can be accommodated with a series of studs (2). The **bag** top has channel (C) and locating holes (51) for co-operating with a filling machine. The **bag** surface (50) above the top of the support plate (10) permits access to a sealing device (such as a soldering tool) to effect sealing after filling.

USE - For use in supporting **bags** for filling with biological fluid, in particular animal **semen**.

ADVANTAGE - The device enables the positioning of a **bag**, or a strip of connected **bags**, for filling and sealing in a manner to provide uniform, repeatable procedure at each center using the device, thereby avoiding variation in filling technique using a manual process with potential reduction in overall process quality. The device allows rapid **bag** filling in an economic manner. The support plate inclined at an angle to the vertical of typically 80°, supports some of the weight of the filled **bag** thereby providing greater **bag** integrity.

The plate can also accommodate strips of **bags** which can be detached from each other after filling. The support allows clear neck access for **heat** sealing.

DESCRIPTION OF DRAWING(S) - The drawing shows a perspective view of the support.

Stud (2)

Bag (5)

Support (10)

Base (12)

Bag top surface (50)

Bag opening (51)

Bag locating opening (52)

pp; 7 DwgNo 1/3

Title Terms: SUPPORT; DEVICE; FILL; STRIP; **BAG** ; BIOLOGICAL; FLUID;

INCLINE; PLATE; SUPPORT; STUD; TOP; ACCESS; FILE; SEAL

Derwent Class: P32; P33

International Patent Class (Main): A61J-001/16

International Patent Class (Additional): **A61D-019/02** ; A61J-001/12

File Segment: EngPI

7/5/4 (Item 4 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012867431 \*\*Image available\*\*

WPI Acc No: 2000-039264/200003

XRAM Acc No: C00-010244

XRPX Acc No: N00-029589

**Animal sperm packaging bag having separate sealable portions for filling and emptying**

Patent Assignee: IMV TECHNOLOGIES (IMVT-N); IMV TECHNOLOGIES SA (IMVT-N); INSTR MEDECINE VETERINAIRE SA (INST-N)

Inventor: BARRE M; DUVAL A; SAINT RAMON J; SAINT-RAMON J; SAINT RAMON J G;

LA FERTE A D; SAINT-RAMON J G

Number of Countries: 086 Number of Patents: 018

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9959498	A1	19991125	WO 99FR1179	A	19990518	200003 B
FR 2778841	A1	19991126	FR 986393	A	19980520	200003
AU 9938292	A	19991206	AU 9938292	A	19990518	200019
FI 200000105	A	20000119	WO 99FR1179	A	19990518	200020
			FI 2000105	A	20000119	
GB 2342912	A	20000426	WO 99FR1179	A	19990518	200023
			GB 20001137	A	20000118	
DK 200000064	A	20000117	WO 99FR1179	A	19990518	200044
			DK 200064	A	20000117	
BR 9906466	A	20000926	BR 996466	A	19990518	200051
			WO 99FR1179	A	19990518	
SE 200000154	A	20000119	WO 99FR1179	A	19990518	200056
			SE 2000154	A	20000119	
EP 1075229	A1	20010214	EP 99920882	A	19990518	200111
			WO 99FR1179	A	19990518	
CN 1272052	A	20001101	CN 99800771	A	19990518	200112
TW 403645	A	20000901	TW 99108295	A	19990520	200112
ZA 200000219	A	20010328	ZA 2000219	A	20000119	200121
KR 2001022011	A	20010315	KR 2000700579	A	20000119	200159

*the Patent*

JP 2002515376	W	20020528	WO 99FR1179	A	19990518	200238
			JP 2000549165	A	19990518	
MX 2000000691	A1	20010801	MX 2000691	A	20000119	200238
ES 2167282	A1	20020501	ES 200050003	A	19990518	200240
GB 2342912	B	20020626	WO 99FR1179	A	19990518	200250
			GB 20001137	A	20000118	
AU 749341	B	20020627	AU 9938292	A	19990518	200254

Priority Applications (No Type Date): FR 986393 A 19980520

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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WO 9959498	A1	F	17	A61D-019/00	
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Designated States (National): AE AL AM AT AU AZ BA BB BG BR BY CA CH CN  
CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL  
TJ TM TR TT UA UG US UZ VN YU ZA ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR  
IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

FR 2778841	A1		A61D-019/02		
AU 9938292	A		A61D-019/00	Based on patent	WO 9959498
FI 200000105	A		A61D-000/00		
GB 2342912	A		A61D-019/00	Based on patent	WO 9959498
DK 200000064	A		A61D-019/00		
BR 9906466	A		A61D-019/00	Based on patent	WO 9959498
SE 200000154	A		A61D-019/02		
EP 1075229	A1	F	A61D-019/00	Based on patent	WO 9959498
Designated States (Regional): AL AT BE CY DE FR GR IE IT LT LU LV MC NL PT RO SI					
CN 1272052	A		A61D-019/00		
TW 403645	A		A61D-001/08		
ZA 200000219	A	22	A61D-000/00		
KR 2001022011	A		A61D-019/00		
JP 2002515376	W	16	B65D-075/30	Based on patent	WO 9959498
MX 2000000691	A1		A61D-019/00		
ES 2167282	A1		A61D-019/02		
GB 2342912	B		A61D-019/00	Based on patent	WO 9959498
AU 749341	B		A61D-019/00	Previous Publ. patent	AU 9938292
				Based on patent	WO 9959498

Abstract (Basic): WO 9959498 A1

NOVELTY - A **bag** (1) for packaging liquids for animal artificial **insemination** includes separate sealable portions for filling and for emptying the **bag**.

DETAILED DESCRIPTION - The **bag** comprises two **thermoplastic** sheets bonded together with a join line forming a **pouch** and defining a closed rectangular space (3). Along one of the shorter sides, a sealable break (4) through which the **bag** is filled is located, and in the other shorter side there is a break through which the **bag** is emptied. This emptying arrangement (10) is preferably bell-shaped and is sealed by means of a peelable strip (12). Preferably the **thermoplastic** sheets are colored and bear identification of the species or genetic type of animal used.

USE - **Containers** for **sperm** for artificial **insemination**, especially of pigs or horses.

ADVANTAGE - By having separate allowance for filling and emptying the **bags**, the inconvenience of soiling when an **insemination** probe is used that does not fit the **bag** precisely, due to damage occurring



when the bag was filled, is eliminated.

DESCRIPTION OF DRAWING(S) - The figure shows a typical bag as follows

Bag (1)  
Sealing band (2)  
Pocket (3)  
Filling channel (4)  
Emptying channel (10)  
Peelable sealing means (12)  
pp; 17 DwgNo 2/4

Title Terms: ANIMAL; SPERM ; PACKAGE; BAG ; SEPARATE; SEAL; PORTION; FILL ; EMPTY

Derwent Class: B07; C07; P14; P32; P33; Q32; Q34

International Patent Class (Main): A61D-000/00 ; A61D-001/08 ; A61D-019/00 ; A61D-019/02 ; B65D-075/30

International Patent Class (Additional): A01K-067/02; A61J-001/00; A61J-001/10; B65D-033/36

File Segment: CPI; EngPI

7/5/5 (Item 5 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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012551607 \*\*Image available\*\*

WPI Acc No: 1999-357714/199930

XRAM Acc No: C99-105824

XRPX Acc No: N99-266335

Support for semen container used for artificial insemination of pigs X

Patent Assignee: MARTIN R S (MART-I); MARTIN RILLO S (RILL-I)

Inventor: MARTIN RILLO S

Number of Countries: 064 Number of Patents: 003

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9926557	A1	19990603	WO 98ES321	A	19981125	199930 B
AU 9912356	A	19990615	AU 9912356	A	19981125	199944
EP 1048273	A1	20001102	EP 98955583	A	19981125	200056
			WO 98ES321	A	19981125	

Priority Applications (No Type Date): ES 97U3090 U 19971126

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes

WO 9926557 A1 S 17 A61D-019/02

Designated States (National): AT AU AZ BA BB BY CA CH CU CZ DE DK EE FI GB GE GM HR ID IL IS KP LC LK LR LT LU LV MG MK MN MW NO NZ RO SD SE SG SI SK SL TM TT UG US YU ZW

Designated States (Regional): AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG ZW

AU 9912356 A A61D-019/02 Based on patent WO 9926557

EP 1048273 A1 E A61D-019/02 Based on patent WO 9926557

Designated States (Regional): AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

Abstract (Basic): WO 9926557 A1

NOVELTY - The container is held by a clasp attached by straps to band extending between two saddlebag pouches for counterweights. The

support is worn around the lumbar region of the sow.

DETAILED DESCRIPTION - A support for a **container** used for artificial **insemination** of pigs by coupling it to a catheter penetrating the sows vagina, is designed to keep the **container** in a raised position during the time that the **semen** is received by the sow. The support comprises a saddlebag worn around the lumbar region of the sow, formed by a wide central band (1) with **pouches** (2, 2) at both ends for counterweights. Straps (6) extending from the rear side of the central band converge at a clasp (8) used to hold the **semen container**.

USE - As support for **semen container** used for artificial **insemination** of pigs.

ADVANTAGE - The saddlebag stimulates the sow during **insemination** and encourages the reflex action of staying still when in **heat**. Flow-back of **semen** during **insemination** is reduced. The support is easily fitted and removed.

DESCRIPTION OF DRAWING(S) - Figure 1 shows the saddlebag support with the two **pouches** completely unfolded.

Canvas band (1)  
**Pouches** (2, 2)  
Closure flap (3)  
Straps (6)  
Strap convergence point (7)  
Velcro ring (8)  
Cross-strap (11)  
pp; 17 DwgNo 1/3

Title Terms: SUPPORT; **SEMEN** ; **CONTAINER** ; ARTIFICIAL; **INSEMINATION** ; PIG

Derwent Class: B07; C07; D22; P32

International Patent Class (Main): **A61D-019/02**

File Segment: CPI; EngPI

7/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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011583973 \*\*Image available\*\*

WPI Acc No: 1998-001102/199801

XRAM Acc No: C98-000507

Container for deep frozen biological samples - has outer shell round inner tube with sample with recessed shell wall in contact with tube at intervals

Patent Assignee: PLANER PROD LTD (PLAN-N)

Inventor: BLACKHAM J; PLANER V G; POPE I M

Number of Countries: 002 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 19720930	A1	19971120	DE 1020930	A	19970520	199801 B
FR 2748736	A1	19971121	FR 976052	A	19970516	199803

Priority Applications (No Type Date): GB 9610488 A 19960518

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
DE 19720930	A1		7	A01N-001/02	
FR 2748736	A1		16	B65D-081/18	

Abstract (Basic): DE 19720930 A

**Container** for deep frozen biological samples, comprises a tube (1) to hold the sample within an outer shell (6). **Heat** transfer is between the shell (6) and tube (1) at least at one point along the tube (1). The shell (6) has sufficient stability to retain the **heat** transfer action.

USE - The unit is for deep frozen storage of samples e.g. embryos or **sperm**.

ADVANTAGE - The **container** has double wall structure to protect the tube, good thermal contact for injection and high stability and strength. It is easily handled during a controlled freezing process, giving long term protection at low temperatures.

Dwg.2/9

Title Terms: **CONTAINER**; DEEP; FREEZE; BIOLOGICAL; SAMPLE; OUTER; SHELL; ROUND; INNER; TUBE; SAMPLE; RECESS; SHELL; WALL; CONTACT; TUBE; INTERVAL  
Derwent Class: B04; C06; D16; D22; Q34; Q75  
International Patent Class (Main): A01N-001/02; **B65D-081/18**  
International Patent Class (Additional): F25D-003/00  
File Segment: CPI; EngPI

7/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009942889 \*\*Image available\*\*

WPI Acc No: 1994-210602/199426

Related WPI Acc No: 1992-125419; 1992-185885; 1992-185915

XRAM Acc No: C94-096265

XRPX Acc No: N94-165853

**Livestock artificial insemination probe, esp for pigs - comprises plastic tube with foam tip which can be fitted into sachet contg dose of semen.**

Patent Assignee: IMV SA (IMVI-N); CASSOU B (CASS-I); CASSOU M (CASS-I); CASSOU R (CASS-I)

Inventor: CASSOU B; CASSOU M; CASSOU R

Number of Countries: 009 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 605406	A2	19940706	EP 91402627	A	19911002	199426 B
			EP 94400571	A	19911002	
EP 605406	A3	19950125	EP 94400571	A	19911002	199539
DE 69130835	E	19990311	DE 630835	A	19911002	199916
			EP 94400571	A	19911002	
ES 2127900	T3	19990501	EP 94400571	A	19911002	199924

Priority Applications (No Type Date): FR 9012427 A 19901009

Cited Patents: No-SR.Pub; DE 2701998; EP 148473; FR 2524303

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 605406	A2	F	7	A61D-019/02	Related to application EP 91402627
					Designated States (Regional): BE DE DK ES FR GB IT NL SE
EP 605406	A3				Related to patent EP 480798
DE 69130835	E			A61D-019/02	Based on patent EP 605406
ES 2127900	T3			A61D-019/02	Based on patent EP 605406

Abstract (Basic): EP 605406 A

The probe consists of a tube (24) of a semi-rigid material which has a tip (25) of supple polyurethane foam moulded onto one end, made

with a lengthwise through duct (26).

The semi-rigid tube is fitted into one end of the duct, which has a convergent zone in front of it with a dia of about 3mm. The tube (24) is made from a biodegradable **thermoplastic** material.

The tube is attached to a **sachet** contg the dose of **semen**, made from two thin layers of a **thermoplastic** material which are welded together and pref sterilised by gamma radiation. Each **sachet** is impermeable to light and UV rays; can take print, and weighs about 2.5g. Each **sachet** is made from rectangular layers of material, with weld lines forming an outer edge and an opening at one end which can be cut open to insert the tube.

ADVANTAGE - Design simplicity, low cost and disposable after single use.

Dwg.2/3

Title Terms: LIVESTOCK; ARTIFICIAL; **INSEMINATION** ; PROBE; PIG; COMPRISE;  
PLASTIC; TUBE; FOAM; TIP; CAN; FIT; **SACHET** ; CONTAIN; DOSE; **SEMEN**  
Derwent Class: A96; B04; C07; D22; P32  
International Patent Class (Main): **A61D-019/02**  
International Patent Class (Additional): **A61D-019/00** ; A61J-001/10  
File Segment: CPI; EngPI

7/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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009487178 \*\*Image available\*\*

WPI Acc No: 1993-180713/199322

XRPX Acc No: N93-138913

**Frozen animal sperm thawing device - with container for refrigerant linked to chamber by pipe with closable canal and vacuum flask with heat carrier linked to chamber**

Patent Assignee: UKR FARM ANIMALS BREEDING RES INST (UFAR-R)

Inventor: ZORIN A V

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 1739987	A1	19920615	SU 4855543	A	19900730	199322 B

Priority Applications (No Type Date): SU 4855543 A 19900730

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
SU 1739987	A1	4	A61D-019/02	

Abstract (Basic): SU 1739987 A

The device has a **container** (7) for refrigerant linked to the chamber (1) by a pipe with closable canal. The heater is made in the form of a vacuum flask (4) with a **heat** carrier linked to the chamber (1) by an L-shaped pipe (9) and has a source of pressure connected to the cavity of the vacuum flask (4). The refrigerant **container** (7) is a hollow torus surrounding chamber (1).

USE/ADVANTAGE - For thawing frozen animal **sperm**, particularly in artificial **insemination** used in breeding farms. Easier to use design is obtained. Bul.22/15.6.92

Dwg.1/3

Title Terms: FREEZE; ANIMAL; **SPERM** ; THAW; DEVICE; **CONTAINER** ;  
REFRIGERATE; LINK; CHAMBER; PIPE; CLOSE; CANAL; VACUUM; FLASK; **HEAT** ;

CARRY; LINK; CHAMBER  
Derwent Class: P32  
International Patent Class (Main): A61D-019/02  
File Segment: EngPI

7/5/9 (Item 9 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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009156943 \*\*Image available\*\*  
WPI Acc No: 1992-284389/199234  
XRAM Acc No: C92-126464  
XRPX Acc No: N92-217682

Heat insulating container for transporting semen and embryos - has  
goblets with handle stems in bottle with cap and within solid insulating  
material

Patent Assignee: LEFLEY T P (LEFL-I)  
Inventor: LEFLEY T P  
Number of Countries: 018 Number of Patents: 002  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9212687	A1	19920806	WO 91GB2331	A	19911231	199234 B
AU 9191135	A	19920827	AU 9191135	A	19911231	199247
			WO 91GB2331	A	19911231	

Priority Applications (No Type Date): GB 911751 A 19910126

Cited Patents: EP 132145; US 3730374; US 3983363

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
WO 9212687	A1	E	8	A61D-019/00	

Designated States (National): AU CA JP US

Designated States (Regional): AT BE CH DE DK ES FR GB GR IT LU MC NL SE  
AU 9191135 A A61D-019/00 Based on patent WO 9212687

Abstract (Basic): WO 9212687 A

Heat insulating container (10) contains A1 goblets (40) with  
handle stems (42) in a bottle (12) secured in solid insulating material  
(14). A bottle cap (16) is provided with a vent (18) and is recessed  
into the solid insulating material (14) and pref. covered by a tear-off  
flap.

Specifically, the solid insulating material (14) is cylindrical  
and has lengthwise crush ribs (26) retaining it in a cardboard sleeve  
(28).

USE - Transporting animal semen or embryos to farms from  
artificial insemination centre.

Dwg.2/2

Title Terms: HEAT ; INSULATE; CONTAINER ; TRANSPORT; SEMEN ; EMBRYO;  
GOBLET; HANDLE; STEM; BOTTLE; CAP; SOLID; INSULATE; MATERIAL

Derwent Class: D22; P32; Q34

International Patent Class (Main): A61D-019/00

International Patent Class (Additional): A01N-001/02; B65D-081/38

File Segment: CPI; EngPI

7/5/10 (Item 10 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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009058531 \*\*Image available\*\*

WPI Acc No: 1992-185915/199223

Related WPI Acc No: 1992-125419; 1992-185885; 1994-210602

**Monorail conveyor assembly - has guide rail with power trolley for drive wheel and follower wheel**

Patent Assignee: CASSOU B (CASS-I); CASSOU M (CASS-I); CASSOU R (CASS-I)

Inventor: CASSOU B; CASSOU M; CASSOU R

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2667843	A1	19920417	FR 918458	A	19910705	199223 B

Priority Applications (No Type Date): FR 918458 A 19910705; FR 9012427 A 19901009

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2667843	A1		B65B-003/00	

Abstract (Basic): FR 2667843 A

The plastics **sachet** filler and sealer, especially for doses of livestock **semen** used for artificial **insemination**, uses two layers of a supply **thermoplastic** material, fixed together by welded seams. The seam for each **sachet** follows a rectangular line with a gap (3) in one of the shorter sides. The gap is bounded by two divergent seams which make a funnel (4) through which the **sachet** is filled, after which the gap is sealed with an additional seam (2).

The two layers of plastics are made with lines of holes (5) outside the zone of the **sachet**, designed to receive projecting pegs on the filling/sealing machine drive drums. During operation the two layers of plastic pass from a feed drum to a receiving drum, passing filling and sealing stations. At the filling station a tube is inserted into the open funnel of each **sachet** and the set dose of **semen** injected. Immediately afterwards each **sachet** is sealed by the additional seam across the top of the funnel.

ADVANTAGE - Rapid and automatic operation at low cost, maintaining appropriate level of security against contamination

Title Terms: MONORAIL; CONVEYOR; ASSEMBLY; GUIDE; RAIL; POWER; TROLLEY; DRIVE; WHEEL; FOLLOWER; WHEEL

Derwent Class: P32; P33; Q31

International Patent Class (Additional): A61D-019/02 ; A61J-001/10; B65B-003/04

File Segment: EngPI

7/5/11 (Item 11 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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009058501

WPI Acc No: 1992-185885/199223

Related WPI Acc No: 1992-125419; 1992-185915; 1994-210602

**Performance operational amplifier with high output linearity - has common mode loop that maintains mean voltage of amplified differential signals at preselected value**

Patent Assignee: CASSOU B (CASS-I); CASSOU M (CASS-I); CASSOU R (CASS-I)

Inventor: CASSOU B; CASSOU M; CASSOU R  
Number of Countries: 001 Number of Patents: 001  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
FR 2667782	A1	19920417	FR 918457	A	19910705	199223 B

Priority Applications (No Type Date): FR 918457 A 19910705; FR 9012427 A 19901009

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
FR 2667782	A1		A61D-019/02	

Abstract (Basic): FR 2667782 A

The plastics **sachet** filler and sealer, especially for doses of livestock **semen** used for artificial **insemination**, uses two layers of a supply **thermoplastic** material, fixed together by welded seams. The seam for each **sachet** follows a rectangular line with a gap (3) in one of the shorter sides. The gap is bounded by two divergent seams which make a funnel (4) through which the **sachet** is filled, after which the gap is sealed with an additional seam (2).

The two layers of plastics are made with lines of holes (5) outside the zone of the **sachet**, designed to receive projecting pegs on the filling/sealing machine drive drums. During operation the two layers of plastic pass from a feed drum to a receiving drum, passing filling and sealing stations. At the filling station a tube is inserted into the open funnel of each **sachet** and the set dose of **semen** injected. Immediately afterwards each **sachet** is sealed by the additional seam across the top of the funnel.

ADVANTAGE - Rapid and automatic operation at low cost, maintaining appropriate level of security against contamination

Title Terms: PERFORMANCE; OPERATE; AMPLIFY; HIGH; OUTPUT; LINEAR; COMMON; MODE; LOOP; MAINTAIN; MEAN; VOLTAGE; AMPLIFY; DIFFERENTIAL; SIGNAL; PRESELECTED; VALUE

Derwent Class: P32; P33

International Patent Class (Main): A61D-019/02

International Patent Class (Additional): A61J-001/10

File Segment: EngPI

7/5/12 (Item 12 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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008998146

WPI Acc No: 1992-125419/199216

Related WPI Acc No: 1992-185885; 1992-185915; 1994-210602

XRPX Acc No: N92-093775

**Plastics sachet filler-sealer - uses two layers of supply thermoplastic, joined by welded seams and made with lines of holes for pegs on feed and receiving drums**

Patent Assignee: CASSOU R (CASS-I); CASSOU B (CASS-I); CASSOU M (CASS-I); ROBERT C (ROBE-I); IMV SA (IMVI-N)

Inventor: CASSOU B; CASSOU M; CASSOU R

Number of Countries: 011 Number of Patents: 010

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 480798	A	19920415	EP 9140267	A	19911002	199216 B

FR 2667504	A1	19920410	FR 9012427	A	19901009	199222	
CN 1060399	A	19920422	CN 91109668	A	19911009	199301	
CA 2093734	A	19941009	CA 2093734	A	19930408	199502	N
EP 480798	B1	19950125	EP 91402627	A	19911002	199508	
DE 69107000	E	19950309	DE 607000	A	19911002	199515	
			EP 91402627	A	19911002		
ES 2070459	T3	19950601	EP 91402627	A	19911002	199528	
EP 605406	B1	19990127	EP 91402627	A	19911002	199909	
			EP 94400571	A	19911002		
CA 2093734	C	19990427	CA 2093734	A	19930408	199935	N
CN 1166957	A	19971210	CN 91109668	A	19911009	200165	
			CN 97102632	A	19911009		

Priority Applications (No Type Date): FR 9012427 A 19901009; CA 2093734 A 19930408

Cited Patents: DE 2701998; DE 3820387; EP 148473; EP 189702; EP 96191; FR 2524303; FR 2627128

#### Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 480798	A	F	11		
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Designated States (Regional): BE DE DK ES FR GB IT NL SE

FR 2667504	A1	A61J-001/10
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CN 1060399	A	A61D-019/02
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CA 2093734	A F	A61D-019/02
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EP 480798	B1 F	10 A61D-019/00
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Designated States (Regional): BE DE DK ES FR GB IT NL SE

DE 69107000	E	A61D-019/00	Based on patent EP 480798
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ES 2070459	T3	A61D-019/00	Based on patent EP 480798
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EP 605406	B1 F	A61D-019/02	Div ex application EP 91402627
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Div ex patent EP 480798

Designated States (Regional): BE DE DK ES FR GB IT NL SE

CA 2093734	C F	A61D-019/02
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CN 1166957	A	A61D-019/02	Div ex application CN 91109668
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Abstract (Basic): EP 480798 A

The plastics **sachet** filler and sealer, especially for doses of livestock **semen** used for artificial **insemination**, uses two layers of a supply **thermoplastic** material, fixed together by welded seams. The seam for each **sachet** follows a rectangular line with a gap (3) in one of the shorter sides. The gap is bounded by two divergent seams which make a funnel (4) through which the **sachet** is filled, after which the gap is sealed with an additional seam (2).

The two layers of plastics are made with lines of holes (5) outside the zone of the **sachet**, designed to receive projecting pegs on the filling/sealing machine drive drums. During operation the two layers of plastic pass from a feed drum to a receiving drum, passing filling and sealing stations. At the filling station a tube is inserted into the open funnel of each **sachet** and the set dose of **semen** injected. Immediately afterwards each **sachet** is sealed by the additional seam across the top of the funnel.

ADVANTAGE - Rapid and automatic operation at low cost, maintaining appropriate level of security against contamination.

Dwg.1/7

Title Terms: PLASTICS; **SACHET**; FILL; SEAL; TWO; LAYER; SUPPLE;

**THERMOPLASTIC**; JOIN; WELD; SEAM; MADE; LINE; HOLE; PEG; FEED; RECEIVE;

DRUM

Derwent Class: P32; P33



International Patent Class (Main): A61D-019/00 ; A61D-019/02 ;  
A61J-001/10  
File Segment: EngPI

7/5/13 (Item 13 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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008583019  
WPI Acc No: 1991-087051/199112  
XRAM Acc No: C91-036961  
XRPX Acc No: N91-067294

Temp. maintenance of biological or other samples - is based on latent  
heat of fusion of substance melting or freezing at required temp.

Patent Assignee: TECHN PTY LTD AB (ABTE-N)

Inventor: HERR C M

Number of Countries: 032 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
WO 9102458	A	19910307				199112 B
AU 9061693	A	19910403				199125

Priority Applications (No Type Date): AU 895779 A 19890815; AU 9061693 A  
19900000

Cited Patents: AU 6612864; AU 6726888; AU 8945841; US 4817397; WO 8504384

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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WO 9102458	A			
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Designated States (National): AT AU BB BG BR CA CH DE DK ES FI GB HU JP  
KP KR LK LU MC MG MW NL NO RO SD SE SU US

Designated States (Regional): AT BE CH DE DK ES FR GB IT LU NL OA SE

Abstract (Basic): WO 9102458 A

Biological or other samples are maintained at a selected temp. by  
contact with one or more thermally conductive **containers** contg. a  
substance with a m.pt. equal or close to the selected temp.. Substances  
with a m.pt. below ambient temp. are first frozen so that the latent  
**heat** of melting maintains a constant temp. until all the substance has  
melted. Substances with a m.pt. above ambient temp. are first melted so  
that the latent **heat** of fusion maintains a constant temp. until all  
the substance has frozen. Alternatively, combinations of both types of  
substance are used in separate **containers** to maintain a constant  
temp. irrespective of the ambient temp..

USE - The process may be applied to the storage of **sperm** (esp.  
for artificial **insemination** of animals), ova, fertilised eggs,  
embryos, human or animal organs (e.g. heart, liver, spleen or kidneys),  
blood, cell cultures, wine or food. (20pp Dwg.No.0/0)

Title Terms: TEMPERATURE; MAINTAIN; BIOLOGICAL; SAMPLE; BASED; LATENT;

**HEAT** ; FUSE; SUBSTANCE; MELT; FREEZE; REQUIRE; TEMPERATURE

Derwent Class: B07; C03; D13; D16; D22; Q34

International Patent Class (Additional): A01N-001/02; B65D-081/38

File Segment: CPI; EngPI

7/5/14 (Item 14 from file: 350)  
DIALOG(R)File 350:Derwent WPIX

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007591828

WPI Acc No: 1988-225760/198832

**conditioner for animal seminal material - consists of heat insulated heated container with homogeniser to reduce prepn. time** NoAbstract

Patent Assignee: CENT REPUB REPROD S (REPU-N); INTR SEMTEST (SEMT-N)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
RO 93308	A	19880330				198832 B

Priority Applications (No Type Date): RO 120922 A 19851127

Title Terms: CONDITION; ANIMAL; **SEMEN** ; MATERIAL; CONSIST; **HEAT** ;  
INSULATE; **HEAT** ; **CONTAINER** ; HOMOGENISE; REDUCE; PREPARATION; TIME;  
NOABSTRACT

Derwent Class: P32

International Patent Class (Additional): **A61D-007/02**

File Segment: EngPI

7/5/15 (Item 15 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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004004455

WPI Acc No: 1984-149997/198424

XRAM Acc No: C84-063618

XPX Acc No: N84-111405

**Container for pig sperm - has polyalkylene tube with twist-off closure on dispensing spout, open tube end heat -sealed after filling**

Patent Assignee: JANUS E O M (JANU-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
NL 8204182	A	19840516	NL 824182	A	19821029	198424 B

Priority Applications (No Type Date): NL 824182 A 19821029

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
NL 8204182	A		10		

Abstract (Basic): NL 8204182 A

The **container** , intended for holding and transporting pig **sperm** for artificial **insemination** of sows, consists of a tube in a poly-alkylene, in pref. in high or low-density polythene or in poly-propylene, which slightly diverges conically to its open filling end whilst its other end has a shoulder with conically converging central dispensing spout. The dispensing duct of the spout is closed by an integral twist-off element at its end.

The shoulder pref. converges to the spout at an angle of approx. 30 deg. The cubic capacity of the open tube may be around 100ml, closure after filling (by peristaltic pump from supply **container** ) being effected by **heat** welding. **Insemination** is by pipette filled from the tube.

0/2

Title Terms: **CONTAINER** ; PIG; **SPERM** ; POLY; ALKYLENE; TUBE; TWIST;

CLOSURE; DISPENSE; SPOUT; OPEN; TUBE; END; **HEAT** ; SEAL; AFTER; FILL  
Derwent Class: A92; B07; C03; P32  
International Patent Class (Additional): **A61D-007/02**  
File Segment: CPI; EngPI

7/5/16 (Item 16 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003770325  
WPI Acc No: 1983-766540/198338  
XRAM Acc No: C83-089956  
XRPX Acc No: N83-165555

**Laminated tear-off thermoplastic cover with microporous lining - to vent internal steam without loss of liq. contents**

Patent Assignee: COD INTER TECH SA (CODI-N)  
Inventor: HORVATH L S  
Number of Countries: 016 Number of Patents: 008  
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 88731	A	19830914	EP 83810089	A	19830304	198338 B
NO 8300724	A	19831003				198346
FI 8300712	A	19831031				198350
DK 8301040	A	19831107				198351
US 4461420	A	19840724	US 82436181	A	19821022	198432
CA 1193512	A	19850917				198542
EP 88731	B	19861126				198648
DE 3367895	G	19870115				198703

Priority Applications (No Type Date): CH 821340 A 19820305  
Cited Patents: DE 2343687; DE 2702539; DE 3031830; FR 2398289; US 3729022;  
US 3802608; DE 2109940; DE 2209393; DE 2318028; FR 1333994  
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
EP 88731	A	F	10		
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					
EP 88731	B	F			
Designated States (Regional): AT BE CH DE FR GB IT LI LU NL SE					

Abstract (Basic): EP 88731 A

Laminated cover with an impressed weld zone in a **thermoplastic** film covered by a relatively inelastic layer of metal foil, plastic film or paper is lined with a further layer of micro-porous film permeable to gas or steam but impermeable to liquids or colloids.

Used esp. for **containers** made of or coated with **thermoplastic** material for holding foodstuffs or other contents which may generate steam if heated within the sealed pack. The permeable layer allows internal pressure to escape and thus avoid **ejaculation** of part of the contents as the pack is opened, e.g. after reheating prepacked food.

Pref. the cover components are resistant to internal or external boiling water. Pref. the porous material is exposed, intact, when part of the laminated cover is removed by tearing along a zone profile of partly cut and locally welded material of the type described in EP0088730, i.e. having an outer layer of relatively inextensible metal foil, plastic film or paper on a base of biaxially oriented film

Title Terms: LAMINATE; TEAR; **THERMOPLASTIC** ; COVER; MICROPOROUS; LINING;

VENT; INTERNAL; STEAM; LOSS; LIQUID; CONTENT  
Derwent Class: A92; Q32; Q33; Q34  
International Patent Class (Additional): B65D-051/16 ; B65D-081/24  
File Segment: CPI; EngPI

7/5/17 (Item 17 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

003583457

WPI Acc No: 1983-D1654K/198310

XRPX Acc No: N83-041411

Container for animal exciting scent - which is airtight and holds scent soaked material

Patent Assignee: KOENIG I (KOEN-I)

Inventor: KAISER H; SCHUBERT K; WAGNER H

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DD 157242	A	19821027				198310 B

Priority Applications (No Type Date): DD 211616 A 19790316

Abstract (Basic): DD 157242 A

The container for animal scent is used for the sexual stimulation of stud animals for breeding purposes. Natural or synthetic scent material may be used for encouraging sexual activity and controlling the animal coming on heat. It is also used for stimulation during insemination to encourage sperm production in the male.

The arrangement comprises a light-weight, portable, air-tightly closable container, in which a piece of material is soaked in the scent substance. Upon opening, the scent escapes and provides a desired excitation of the animal in question.

Title Terms: CONTAINER ; ANIMAL; EXCITATION; SCENT; AIRTIGHT; HOLD; SCENT; SOAK; MATERIAL

Derwent Class: P32

International Patent Class (Additional): A61D-007/00

File Segment: EngPI

7/5/18 (Item 18 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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003205204

WPI Acc No: 1981-65756D/198136

Machine for making packets for liquids from thermoplastic film - has pulling mechanism and welding mechanism for film, with jaws containing heating elements

Patent Assignee: AS UKR CRYOBIOLOGY (AUCR-R)

Inventor: GALCHANSKI V P; OSTASHKE F I; ZAKHARCHEN Y U A

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 789326	B	19801228				198136 B

Priority Applications (No Type Date): SU 2664680 A 19780817

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
SU 789326 B 3

Abstract (Basic): SU 789326 B

Equipment to make packets containing liquid materials from blown **thermoplastic** film, e.g. for holding **sperm** from agriculture animals, or blood; has mechanism (1) to draw the **bag** (2), and a welding mechanism comprising two jaws (3) with heating elements (4). **Heat** damage to the film is prevented, by fastening each heating element to a bracket (12), and the latter are placed inside the jaws with a gap between them. The jaws are mounted so that they can move backwards and forward relative to the brackets and heating elements. A spring (13) is inserted between the brackets and the jaws. Bul.47/23.12.80. (3pp Dwg. No. 1)

Title Terms: MACHINE; PACKET; LIQUID; **THERMOPLASTIC** ; FILM; PULL; MECHANISM; WELD; MECHANISM; FILM; JAW; CONTAIN; **HEAT** ; ELEMENT

Index Terms/Additional Words: **ANIMAL** ; **SPERM**

Derwent Class: A32; A96; Q31

International Patent Class (Additional): **B65B-009/10** ; **B65B-051/10**

File Segment: CPI; EngPI

7/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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003007496

WPI Acc No: 1981-A7502D/198105

**Cryogenic vessel for storing animal sperm - has cap with sidewall enclosing part of housing which is cooled by escaping vapour**

Patent Assignee: MOROZOV V I (MORO-I)

Inventor: COGLIN G S; DEMENKO V V; SCHALAEV V I

Number of Countries: 004 Number of Patents: 004

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
DE 2926646	A	19810122				198105 B
GB 2052710	A	19810128				198105
DK 7902535	A	19810202				198109
FR 2462358	A	19810320				198119

Priority Applications (No Type Date): DE 2926646 A 19790702

Abstract (Basic): DE 2926646 A

The cryogenic vessel comprises a housing, a **heat** -insulated **container** for the refrigerating medium inside the housing and connected to it by a neck, and a cap with a stopper of **heat** -insulating material. An annular passage is formed between stopper and neck to allow emergence of refrigerating medium vapour.

The cap (5) has a sidewall (8) enclosing a portion (M) of the housing surface adjacent to the neck (3), so as to leave an intervening gap (9), and an annular chamber (10) connected via the gap to atmosphere. The annular passage (7) is also connected to this chamber, so that vapour flows into the latter, and cools the portion of the housing (1) enclosed by the cap

Title Terms: CRYOGENIC; VESSEL; STORAGE; ANIMAL; 1SPERM ; CAP; SIDEWALL;

ENCLOSE; PART; HOUSING; COOLING; ESCAPE; VAPOUR  
Derwent Class: Q34; Q69; Q75  
International Patent Class (Additional): B65D-081/18 ; F17C-003/08;  
F25D-003/10  
File Segment: EngPI

7/5/20 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

001296840

WPI Acc No: 1975-J0757W/197532

Packaging machine for heat -sensitive fluids - has welding jaws with  
central heating element surrounded by cooled area

Patent Assignee: UKR FOREST-STEP STO (UFOR-R)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 426658	A	19741126				197532 B

Priority Applications (No Type Date): SU 1808645 A 19720711

Abstract (Basic): SU 426658 A

The machine packages, e.g., animal **semen** into thermo-pastics **sachets** without impairing the sex cells through excessive heating. The lower jaw (11) of the two, vertically-opposed welding jaws has a grooved contact surface into which is laid the heating element strip (22). On either side of the strip are two regions (23) and (24) which occupy the full width of the jaw. These regions are cooled by a refrigerant passing through the port (25). The pastics tube, filled with **sperm**, is first locally flattened so that it is evacuated for overprinting then welded crosswise by the cam-actuated jaws as the printing head retracts and the tubbe refills. Because the weld is bounded by cooler areas, the **heat** cannot be transmitted through the **sachet** and, since no welding occurs at these points, there is room for the fluid to expand when the **sachets** are refrigerated.

Title Terms: PACKAGE; MACHINE; **HEAT** ; SENSITIVE; FLUID; WELD; JAW; CENTRAL  
; **HEAT** ; ELEMENT; SURROUND; COOLING; AREA

Derwent Class: P32; Q31

International Patent Class (Additional): A61D-007/02 ; B65B-051/04

File Segment: EngPI

7/5/21 (Item 21 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2003 Thomson Derwent. All rts. reserv.

001234866

WPI Acc No: 1975-B8647W/197507

Animals artificial insemination sperm collector - water heated  
artificial vagina with telescopic walls prevents penis trauma

Patent Assignee: TROFIMOV YU N (TROF-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 422415	A	19740906				197507 B

Priority Applications (No Type Date): SU 1363560 A 19690910

Abstract (Basic): SU 422415 A

In order to prevent excessive pressure on the penis during **ejaculation**, the outer vagina tube is made from two sections (6 & 7). The latter can move telescopically inside the sleeve (9) with sealing rings (10 & 11), so that during **ejaculation** the vagina elongates together with the inner polyethylene lining (2) and the **spermato-zoon receptacle** (5) in porolon hood (13).

Title Terms: ANIMAL; ARTIFICIAL; **INSEMINATION**; **SPERM**; COLLECT; WATER; **HEAT**; ARTIFICIAL; VAGINAL; TELESCOPE; WALL; PREVENT; PENIS; TRAUMA

Derwent Class: P32

International Patent Class (Additional): A61D-007/02

File Segment: EngPI

7/5/22 (Item 22 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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001217019

WPI Acc No: 1975-A0783W/197501

**Animal semen collection method - using heated imitation vagina to increase spermatuzoa productivity**

Patent Assignee: SAVCHUK D I (SAVC-I)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
SU 408639	A	19740805				197501 B

Priority Applications (No Type Date): SU 1773454 A 19720417

Abstract (Basic): SU 408639 A

In order to stimulate maximum **ejaculation** reflexes in a bull the imitation vagina is provided with thin-walled rubber tube (1) with union (2) connected to hot water (40-42 deg.C) pipe (3). The tube (1) is in contact with board (5) which is part of a simulated cow. In use the imitation vagina does not differ from the one previously claimed in Patent No. 375066, which closely simulates the natural conditions of a cow on- **heat** as regards pressure, temp. moisture and elasticity. At the deep end of the vagina is placed a sterile **receptacle** for collection of **spermatozoa** and the tube (1) ensures hermeticity to microflora access and prevents contamination.

Title Terms: ANIMAL; **SEMEN**; COLLECT; METHOD; **HEAT**; IMITATE; VAGINAL; INCREASE; PRODUCE

Derwent Class: P32

International Patent Class (Additional): A61D-007/02

File Segment: EngPI

7/5/23 (Item 23 from file: 371)

000940233 \*\*Image present\*\*

**Titre: SACHET DE CONDITIONNEMENT DE SUBSTANCES LIQUIDES A OUVERTURE PELABLE POUR INTRODUCTION DE CANULES, TUBES ET SONDES**

Deposant: INSTRUMENTS MEDECINE VETERINAIRE

Nom et Adresse du Deposant: INSTRUMENTS DE MEDECINE VETERINAIRE (SOCIETE

ANONYME) - Deposant - 10 RUE GEORGES CLEMENCEAU 61300 L AIGLE  
(FR-61300)

Nom Inventeurs: DASSIER CLAUDE - 9 RUE DU GENERAL DE GAULLE 28190  
FONTAINE LA GUYON (FR-28190); BEAU CHRISTIAN - 9 RUE DUFY 78960  
VOISINS LE BRETONNEUX (FR-78960); LESUEUR FRANCIS - 27 RUE CROIX SAINT  
JACQUES 61300 L AIGLE (FR-61300); SAINT RAMON JEAN GERARD - 13 RUE LE  
LABOUREUR 95160 MONTMORENCY (FR-95160)

Nom Mandataire: CABINET BONNET THIRION

Nature de Publication: Brevet

Information de Brevet et Priorites (Pays, Numero, Date):

Numero Publication: FR 2750399 - 19980102

Numero Depot: FR 968095 - 19960628

Priorites: FR 968095 - 19960628

Rapport de Recherche Preliminaire (Brevet/Reference, Code de Pertinence):

Cites dans le rapport de recherche

DE 2647399 A (Cat. X)

GB 642351 A (Cat. Y)

FR 2667504 A (Cat. Y,D)

US 2998880 A (Cat. Y)

US 2648463 A (Cat. A)

US 2998880 A (Cat. Y)

US 2648463 A (Cat. A)

Resume:

**Sachet** (1) pour le conditionnement de substances liquides, constitue de deux feuilles de matiere thermoplastique soudees par un cordon de soudure (2) delimitant une poche (3) a laquelle est raccorde a sa partie superieure un conduit de remplissage (4), dans lequel une des deux feuilles de matiere thermoplastique possede dans ladite partie superieure une zone de pelabilite (9) comportant une cire. Apres remplissage, le **sachet** est soumis a un scellage dans une zone de scellage (10) a l'interieur de la zone de pelabilite, au voisinage de la partie superieure du conduit, transversalement par rapport a l'axe de celui-ci. Le **sachet** peut etre ouvert facilement, sans faire appel a un outil de decoupe, dans la zone souhaitee, en separant manuellement les deux feuilles en matiere thermoplastique et une sonde peut etre introduite dans le conduit du **sachet** avec un bon guidage.

Classification Internationale (Principale): B65D-033/36

Classification Internationale: A61D-019/02

Descripteurs Francais: **SACHET** ; FEUILLE; MATIERE THERMOPLASTIQUE; LIQUIDE;  
SCELLAGE; PELABILITE; CIRE; SEMENCE; **INSEMINATION** ARTIFICIELLE; ANIMAL

Descripteurs Anglais: **BAG** ; FILM; **THERMOPLASTICS** ; LIQUID; SEALING;  
PELLING; WAX; **SEMEN** ; ANIMAL; ARTIFICIAL **INSEMINATION**



Set	Items	Description
S1	732898	BAG? ? OR POUCH?? OR CONTAINER? ? OR SACHET? ? OR RECEPTAC- LE? ? OR BLADDER? ? OR SAC OR SACS OR SACK OR SACKS OR BALLOO- N? ?
S2	1809144	HEAT OR THERMOPLASTIC? OR THERMO()PLASTIC?
S3	6883	SEMINAL OR SEMEN OR EJACULAT? OR SPERM? OR INSEMINAT?
S4	67	S1 AND S2 AND S3
S5	24	S4 AND IC=(A61D OR B65D OR B65B)
S6	24	IDPAT (sorted in duplicate/non-duplicate order)
S7	23	IDPAT (primary/non-duplicate records only)

? show files

File 347:JAPIO Oct 1976-2002/Oct(Updated 030204)  
(c) 2003 JPO & JAPIO

File 350:Derwent WPIX 1963-2003/UD,UM &UP=200309  
(c) 2003 Thomson Derwent

File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

10/5/37 (Item 28 from file: 50)  
 DIALOG(R)File 50:CAB Abstracts  
 (c) 2003 CAB International. All rts. reserv.

00708788 CAB Accession Number: 790143487

**The use of disposable plastic aids for collecting boar semen and their effect on semen quality.**

Original Title: Uplatneni jednorazovych pomucek z plastickych materialu pro odber ejakulatu plemennych kancu a jejich vliv na kvalitu odberu.

Kopriva, J.; Pikhart, R.

Krajsky plemenarsky podnik, Veveri 109, 602 00 Brno, Czechoslovakia.

Veterinarstvi vol. 29 (3): p.116-118

Publication Year: 1979

ISSN: 0506-8231 --

Language: Czech

Document Type: Journal article

Disposable **thermoplastic** gloves and **sachets** for "hand" collections and plastic linings for Aamdal's artificial vagina were tested. For 794 hand collections in July-Sep. and 1913 hand collections in Oct.-Dec. 1977, and 5847 collections with the lined artificial vagina in 1976 and 2053 collections in Jan.-Apr. 1977, **ejaculate** volume averaged 269, 294, 276 and 266 ml resp., **sperm** concentration (X 103/mm3) 446, 384, 401 and 417, and the percentage of abnormal **spermatozoa** 12, 10, 11 and 11; **sperm** motility in diluted **semen** was 77, 79, 78 and 78% immediately after dilution, 66, 63, 63 and 63% after 24 h, 57, 54, 52 and 56% after 48 h, and 49, 43, 40 and 44% after 72 h. The number of **insemination** doses/**ejaculate** was 20, 19, 16 and 17 resp.

DESCRIPTORS: **semen** ; collection; **spermatozoa** ; motility

IDENTIFIERS: disposable plastic **sachets** ; collection in disposable plastic **sachets**

ORGANISM DESCRIPTORS: PIGS

BROADER TERMS: Sus; Suidae; Suiformes; Artiodactyla; mammals; vertebrates ; Chordata; animals; Sus scrofa; ungulates

CABICODES: Animal Reproduction & Development (LL210)

10/5/42 (Item 1 from file: 94)  
 DIALOG(R)File 94:JICST-EPlus  
 (c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

03642078 JICST ACCESSION NUMBER: 98A0627424 FILE SEGMENT: JICST-E

**Studies of Storage Method about Breeder boar semen . (Vol.I).**

KONDO HIROYUKI (1); MINATO KAZUYUKI (1); GOTO MITSUO (1); MUGIKURA

TAKAMITSU (1); ORITA KOICHI (1)

(1) Gunma Anim. Husb. Exp. Stn.

Gunmaku Chikusan Shikenjo Kenkyu Hokoku(Bulletin of the Gunma Animal Husbandry Experiment Station), 1996, NO.3, PAGE.61-65, FIG.3, TBL.3, REF.5

JOURNAL NUMBER: Z0409CAS ISSN NO: 1340-9514

UNIVERSAL DECIMAL CLASSIFICATION: 636.4 636.082.4

LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan

DOCUMENT TYPE: Journal

ARTICLE TYPE: Original paper

MEDIA TYPE: Printed Publication

DESCRIPTORS: **semen** ; transporting vessel; distribution(transport); **spermatozoon** ; biological activity; reproductive management; swine; breeding stock; cooling agent; frozen storage; tissue preservation; plastic foam; polystyrene; expanded polystyrene

BROADER DESCRIPTORS: secretion(secrete); **container** ;  
transportation(material handling); transportation; gamete; reproductive  
cell; cell(cytology); activity; property; management; domestic animal;  
Artiodactyla; Mammalia; Vertebrata; animal; preservation(food); storage  
; conservation; porous medium; porous object; polymer; **thermoplastic** ;  
plastic  
CLASSIFICATION CODE(S): FD02040U; FD01030C

10/5/43 (Item 2 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

03642076 JICST ACCESSION NUMBER: 98A0627422 FILE SEGMENT: JICST-E  
**Studies on Practical Uses of Delivery Service Swine Semen Transfer.**  
NANZAN HARUMI (1); MATSUMOTO NAOTAKE (1); NAGUMO TADASHI (1); SATO MASARU  
(1); FUKAZU YOSHITO (1); TAKAHASHI NOBUAKI (1); AOKI KEI (2)  
(1) Gunma Anim. Husb. Exp. Stn.; (2) Gunma Prefect. Gov.  
Gunmaken Chikusan Shikenjo Kenkyu Hokoku(Bulletin of the Gunma Animal  
Husbandry Experiment Station), 1996, NO.3, PAGE.46-51, FIG.2, TBL.5  
JOURNAL NUMBER: Z0409CAS ISSN NO: 1340-9514  
UNIVERSAL DECIMAL CLASSIFICATION: 636.4 636.082.4  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Original paper  
MEDIA TYPE: Printed Publication  
DESCRIPTORS: swine; artificial fertilization; **semen** ;  
distribution(transport); **spermatozoon** ; biological activity;  
temperature fluctuation; conception rate; plastic foam; transporting  
vessel; reproductive management; polystyrene; express delivery service  
of parcels; expanded polystyrene  
BROADER DESCRIPTORS: domestic animal; Artiodactyla; Mammalia; Vertebrata;  
animal; fertilization(reproduction); reproduction(biology);  
secretion(secrete); transportation(material handling); transportation;  
gamete; reproductive cell; cell(cytology); activity; property;  
fluctuation and variation; ratio; porous medium; porous object;  
**container** ; management; polymer; **thermoplastic** ; plastic  
CLASSIFICATION CODE(S): FD02040U; FD01030C

10/5/44 (Item 3 from file: 94)  
DIALOG(R)File 94:JICST-EPlus  
(c)2003 Japan Science and Tech Corp(JST). All rts. reserv.

03126637 JICST ACCESSION NUMBER: 96A0985637 FILE SEGMENT: JICST-E  
**Simple storing instrument and transit technology of pig liquid semen .**  
MIURA YASUTADA (1)  
(1) Tottori Swine Poult. Exp. Stn.  
Kinki Chugoku Chiiki ni okeru Shingijutsu, 1996, NO.30, PAGE.228-231,  
FIG.4, REF.2  
JOURNAL NUMBER: Y0317AAF  
UNIVERSAL DECIMAL CLASSIFICATION: 636.082.4  
LANGUAGE: Japanese COUNTRY OF PUBLICATION: Japan  
DOCUMENT TYPE: Journal  
ARTICLE TYPE: Short Communication  
MEDIA TYPE: Printed Publication  
DESCRIPTORS: swine; **semen** ; tissue preservation; road transportation;  
rearing box; heater; refrigerating chamber; refrigeration; plastic  
**container** ; water tank; plastic foam; polystyrene; expanded polystyrene  
BROADER DESCRIPTORS: domestic animal; Artiodactyla; Mammalia; Vertebrata;

animal; secretion(secrete); conservation; land transportation;  
transportation; rearing facilities; thermal operating device;  
refrigerating installation; facility; preservation(food); storage;  
container ; storage tank; porous medium; porous object; polymer;  
thermoplastic ; plastic  
CLASSIFICATION CODE(S): FD01030C

10/TI/1 (Item 1 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

Packaging and shelf-life studies of coconut biscuits.

10/TI/2 (Item 2 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

APPLICATION OF GAS-PERMEABLE BAGS FOR IN-VITRO COLD STORAGE OF STRAWBERRY  
GERMPLASM

10/TI/3 (Item 3 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

MOBILE NYLON BAG TECHNIQUE FOR ESTIMATING POST RUMINAL DIGESTIBILITY IN  
DAIRY COWS

10/TI/4 (Item 4 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

PROTECTING UNINFESTED PACKAGES FROM ATTACK BY CADRA-CAUTELLA LEPIDOPTERA  
PYRALIDAE WITH THE PARASITIC WASP VENTURIA-CANESCENS HYMENOPTERA  
ICHNEUMONIDAE

10/TI/5 (Item 5 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

PREVENTING THE SPREAD OF THE ALMOND MOTH CADRA-CAUTELLA LEPIDOPTERA  
PYRALIDAE FROM INFESTED FOOD DEBRIS TO ADJACENT UNINFESTED PACKAGES USING  
THE PARASITE BRACON-HEBETOR HYMENOPTERA BRACONIDAE

10/TI/6 (Item 6 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

ALKALINE UREA SOLUBILIZATION 2 DIMENSIONAL ELECTROPHORESIS AND LECTIN  
STAINING OF MAMMALIAN CELL PLASMA MEMBRANE AND PLANT SEED PROTEINS

10/TI/7 (Item 7 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

INSECT RESISTANCE OF FOOD PACKAGES A REVIEW

10/TI/8 (Item 8 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

A MODEL SYSTEM FOR TESTING THE MICROBIOLOGICAL STABILITY OF FOODS PROCESSED  
IN LAMINATED FLEXIBLE POUCHES

10/TI/9 (Item 9 from file: 5)  
DIALOG(R)File 5:(c) 2003 BIOSIS. All rts. reserv.

INSECT RESISTANT FOOD POUCHES MADE FROM LAMINATES TREATED WITH SYNERGIZED  
PYRETHRINS

10/TI/10 (Item 1 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Processing of sapota: sun drying technique. --

10/TI/11 (Item 2 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Ruminal digestion kinetics of citrus peel. --

10/TI/12 (Item 3 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Elimination of apple scar skin viroid from pears by in vitro  
thermotherapy and apical meristem culture. --

10/TI/13 (Item 4 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Efficiency of new postharvest techniques (CO2 shocks, film packaging) at  
the industrial level. --

10/TI/14 (Item 5 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Effects of precooling, packaging film, modified atmosphere and ethylene  
absorber on the quality of refrigerated Chandler and Douglas strawberries.  
--

10/TI/15 (Item 6 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Germination of osmotically primed asparagus and tomato seeds after  
storage up to three months. --

10/TI/16 (Item 7 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Use of modified atmosphere for storage of two peach (*Prunus persica* (L.)  
Batsch) cultivars: 1. Storage potential and quality.

Original Title: Uso de atmosfera modificada no armazenamento de duas  
cvs. de pessego (*Prunus persica* (L.) Batsch): 1. Potencial de conservacao  
e qualidade. --

10/TI/17 (Item 8 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Evaluation of bermudagrass (*Cynodon dactylon*) and johnsongrass (*Sorghum  
halepense*) as alternatives to corn forage (*Zea mays*) for ensiling with

poultry litter. --

10/TI/18 (Item 9 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Evaluation of the CultuSAK in vitro plant culture system. --

10/TI/19 (Item 10 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Manuscript for 'plastic overwraps for riper fruit'. --

10/TI/20 (Item 11 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Coconut seed preservation in sealed packages. --

10/TI/21 (Item 12 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Effect of preparation procedures and storage parameters on quality retention of salad-cut lettuce. --

10/TI/22 (Item 13 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Effect of calcium on the storage life of oro (*Antiaris africana*). --

10/TI/23 (Item 14 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

The use of disposable fluorocarbon polymer film culture vessel in micropropagation. --

10/TI/24 (Item 15 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Insect control at sea. --

10/TI/25 (Item 16 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Seed storage studies of cowpea (*Vigna unguiculata*). --

10/TI/26 (Item 17 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Storage of shelled groundnut seed in controlled atmospheres. I. - Preliminary trials 1979-1982. --

10/TI/27 (Item 18 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Mobile nylon bag for estimating intestinal availability of rumen undegradable protein. --

10/TI/28 (Item 19 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

An easy method for mass multiplication of the entomopathogenic fungus *Cephalosporium lecanii* Zimm. --

10/TI/29 (Item 20 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Plastic bag protects fruit trees. --

10/TI/30 (Item 21 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Preventing the spread of the almond moth (Lepidoptera: Pyralidae) from infested food debris to adjacent uninfested packages, using the parasite *Bracon hebetor* (Hymenoptera: Braconidae). --

10/TI/31 (Item 22 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

The preservation of the West African soft cheese by chemical treatment. --

10/TI/32 (Item 23 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Suitability of 16 Ohio-grown tomato cultivars for acidified bulk storage. --

10/TI/33 (Item 24 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Post-harvest life of sweet orange (*Citrus sinensis* L. Osbeck) as influenced by various polythene film packs. --

10/TI/34 (Item 25 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

A new packaging method for peanuts and pecans. --

10/TI/35 (Item 26 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Storage of rye, wheat and oat seed. --



10/TI/36 (Item 27 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Study of quality of dried milk/potato puree during storage. --

10/TI/38 (Item 29 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Medium and long term storage of salad vegetables.  
Original Title: Conservazione a medio e lungo termine di insalate. --

10/TI/39 (Item 30 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Effects of storage conditions, packaging materials, and moisture content  
on longevity of crimson clover seeds. --

10/TI/40 (Item 31 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Effects of storage conditions, packaging materials, and seed moisture  
content on longevity of safflower seeds. --

10/TI/41 (Item 32 from file: 50)  
DIALOG(R)File 50:(c) 2003 CAB International. All rts. reserv.

Carbon dioxide as a fumigant against the San Jose scale (Homoptera:  
Diaspididae) on harvested apples. --

10/TI/42 (Item 1 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

Studies of Storage Method about Breeder boar semen . (Vol.I).

10/TI/45 (Item 4 from file: 94)  
DIALOG(R)File 94:(c)2003 Japan Science and Tech Corp(JST). All rts.  
reserv.

The influences of dish types on in vitro fertilization in pig oocytes.

10/TI/46 (Item 1 from file: 98)  
DIALOG(R)File 98:(c) 2003 The HW Wilson Co. All rts. reserv.

Dioxin prevention and medical waste incinerators.

10/TI/47 (Item 1 from file: 357)  
DIALOG(R)File 357:(c) 2003 Thomson Derwent & ISI. All rts. reserv.

The use of heparin as a simple cost-effective means of controlling  
background in nucleic acid hybridization procedures - studied with

reference to the use of DNA probes in filter and in situ hybridization

Set	Items	Description
S1	707515	BAG? ? OR POUCH?? OR CONTAINER? ? OR SACHET? ? OR RECEPTAC- LE? ? OR BLADDER? ? OR SAC OR SACS OR SACK OR SACKS OR BALLOO- N? ?
S2	2040616	HEAT OR THERMOPLASTIC? OR THERMO()PLASTIC?
S3	3843534	SEMINAL OR SEMEN OR EJACULAT? OR SPERM? OR INSEMINAT?
S4	883	S1 AND S2 AND S3
S5	442713	THERMOPLASTIC? OR THERMO()PLASTIC? OR HOTMELT? OR HOT()MEL- T??
S6	448353	S5 OR HEAT()SEAL?
S7	60	S6 AND S1 AND S3
S8	55	RD (unique items)
S9	47	S8 NOT PY>1998
S10	47	S9 NOT PD>19980520

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File 50:CAB Abstracts 1972-2003/Jan  
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File 65:Inside Conferences 1993-2003/Feb W1  
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File 94:JICST-EPlus 1985-2003/Nov W3  
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File 98:General Sci Abs/Full-Text 1984-2003/Dec  
(c) 2003 The HW Wilson Co.

File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec  
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File 143:Biol. & Agric. Index 1983-2003/Dec  
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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Plastics sachet filler-sealer - uses two layers of supple thermoplastic, joined by welded seams and made with lines of holes for pegs on feed and receiving drums

Patent Assignee: CASSOU R (CASS-I); CASSOU B (CASS-I); CASSOU M (CASS-I); IMV SA (IMVI-N)

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Number of Countries: 011 Number of Patents: 009

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 480798	A	19920415	EP 91402627	A	19911002	199216 B
FR 2667504	A1	19920410	FR 9012427	A	19901009	199222
CN 1060399	A	19920422	CN 91109668	A	19911009	199301
CA 2093734	A	19941009	CA 2093734	A	19930408	199502 N
EP 480798	B1	19950125	EP 91402627	A	19911002	199508
DE 69107000	E	19950309	DE 607000	A	19911002	199515
			EP 91402627	A	19911002	
ES 2070459	T3	19950601	EP 91402627	A	19911002	199528
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			EP 94400571	A	19911002	
CA 2093734	C	19990427	CA 2093734	A	19930408	199935 N

Priority Applications (No Type Date): FR 9012427 A 19901009; CA 2093734 A 19930408

Cited Patents: DE 2701998; DE 3820387; EP 148473; EP 189702; EP 96191; FR 2524303; FR 2627128

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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EP 480798	A	F	11		
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Designated States (Regional): BE DE DK ES FR GB IT NL SE

CA 2093734	A	F		A61D-019/02	
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EP 480798	B1	F	10	A61D-019/00	
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Designated States (Regional): BE DE DK ES FR GB IT NL SE

DE 69107000	E			A61D-019/00	Based on patent EP 480798
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ES 2070459	T3			A61D-019/00	Based on patent EP 480798
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EP 605406	B1	F		A61D-019/02	Div ex application EP 91402627
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Div ex patent EP 480798

Designated States (Regional): BE DE DK ES FR GB IT NL SE

CA 2093734	C	F		A61D-019/02	
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FR 2667504	A1			A61J-001/10	
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CN 1060399	A			A61D-019/02	
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Abstract (Basic): EP 480798 A

The plastics sachet filler and sealer, especially for doses of livestock semen used for artificial insemination, uses two layers of a supply thermoplastic material, fixed together by welded seams. The seam for each sachet follows a rectangular line with a gap (3) in one of the shorter sides. The gap is bounded by two divergent seams which make a funnel (4) through which the sachet is filled, after which the gap is sealed with an additional seam (2).

The two layers of plastics are made with lines of holes (5) outside the zone of the sachet, designed to receive projecting pegs on the filling/sealing machine drive drums. During operation the two layers of plastic pass from a feed drum to a receiving drum, passing

filling and sealing stations. At the filling station a tube is inserted into the open funnel of each sachet and the set dose of semen injected. Immediately afterwards each sachet is sealed by the additional seam across the top of the funnel.

ADVANTAGE - Rapid and automatic operation at low cost, maintaining appropriate level of security against contamination.

Dwg.1/7

Title Terms: PLASTICS; SACHET; FILL; SEAL; TWO; LAYER; SUPPLE;  
THERMOPLASTIC; JOIN; WELD; SEAM; MADE; LINE; HOLE; PEG; FEED; RECEIVE;  
DRUM

Derwent Class: P32; P33

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